



**LONE STAR COLLEGE, TOMBALL (WITH VOLUNTARY  
COURSE TRANSFER AGREEMENT) --  
TEXAS STATE UNIVERSITY-SAN MARCOS  
TRANSFER PLANNING GUIDE  
2010-2012 CATALOG**



**Bachelor of Science Major in Electrical Engineering,  
(with Networks and Communication Systems Specialization)  
Minimum required: 136 semester hours**

**LONE STAR COLLEGE, TOMBALL COURSE OF STUDY**

<b>Freshman Year-1<sup>st</sup> Semester</b>	<b>Hours</b>	<b>Freshman Year-2<sup>nd</sup> Semester</b>	<b>Hours</b>
<u>ENGL 1301</u> (ENG 1310) <sup>3</sup> .....	3	<u>PHYS 2325</u> (PHYS 1430 class) <sup>4</sup> .....	3
<u>MATH 2413</u> (MATH 2471) <sup>4</sup> .....	4	<u>PHYS 2125</u> (PHYS 1430 lab) <sup>4</sup> .....	1
<u>CHEM 1311</u> (CHEM 1341) <sup>3</sup> .....	3	<u>MATH 2414</u> (MATH 2472) <sup>4</sup> .....	4
<u>CHEM 1111</u> (CHEM 1141) <sup>3</sup> .....	1	<u>ENGL 1302</u> (ENG 1320) <sup>3</sup> .....	3
<u>HIST 1301</u> (HIST1310) <sup>3</sup> .....	3	<u>HIST 1302</u> (HIST 1320) <sup>3</sup> .....	3
<u>SPCH 1311</u> (COMM 1310) <sup>3</sup> .....	3	<u>GOVT 2301 or 2306</u> (POSI 2310) <sup>3</sup> .....	3
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>17</b>
<b>Freshman Year Summer Semester I</b>	<b>Hours</b>	<b>Freshman Year Summer Semester II</b>	<b>Hours</b>
<u>ECON 2301 or 2302</u> (INSTEAD OF ECO 2301) <sup>4</sup> .....	3	<u>ENGR 2308</u> (ENGR 3315) <sup>4</sup> .....	3
<u>KINE or ACT</u> (PFW) .....	1	<u>KINE or ACT</u> (PFW) .....	1
<b>Total</b>	<b>4</b>	<b>Total</b>	<b>4</b>
<b>Sophomore Year 1<sup>st</sup> Semester</b>	<b>Hours</b>	<b>Sophomore Year 2<sup>nd</sup> Semester</b>	<b>Hours</b>
<u>PHYS 2326</u> (PHYS 2425 class) <sup>4</sup> .....	3	<u>GOVT 2302 or 2305</u> (POSI 2320) <sup>3</sup> .....	3
<u>PHYS 2126</u> (PHYS 2425 lab) <sup>4</sup> .....	1	<u>ENGR 2306</u> (EE 2420 class) <sup>4</sup> .....	3
<u>ENGR 2305</u> (EE 2400) <sup>4</sup> .....	3	<u>ENGR 2106</u> (EE 2420 lab) <sup>4</sup> .....	1
<u>ENGR 2105</u> (EE 2400) <sup>4</sup> .....	1	<u>PHIL 1301 or 2306</u> (PHIL 1305 or 1320) <sup>3</sup> .....	3
<u>ENGL Literature</u> <sup>1,3</sup> .....	3	<u>Vis. and Perf. Arts</u> <sup>2</sup> .....	3
		<u>ENGR 2301</u> (MATH 3375) <sup>4</sup> .....	3
<b>Total</b>	<b>11</b>	<b>Total</b>	<b>16</b>

**TEXAS STATE COURSE OF STUDY**

<b>Sophomore Year Summer Semester I</b>	<b>Hours</b>	<b>Sophomore Year Summer Semester II</b>	<b>Hours</b>
<u>MATH 3323</u> .....	3	<u>CS 1428</u> .....	4
<b>Total</b>	<b>3</b>	<b>Total</b>	<b>4</b>
<b>Junior Year 1<sup>st</sup> Semester</b>	<b>Hours</b>	<b>Junior Year 2<sup>nd</sup> Semester</b>	<b>Hours</b>
<u>EE 3400</u> .....	4	<u>EE 3420</u> .....	4
<u>PHYS 2435</u> .....	4	<u>EE 3350</u> .....	3
<u>IE 3320</u> .....	3	<u>EE 3355</u> .....	3
<u>MATH 3373</u> .....	3	<u>EE 3370</u> .....	3
<u>ENGR 2300</u> .....	3	<u>MATH 3377</u> .....	3
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16</b>
<b>Senior Year 1<sup>st</sup> Semester</b>	<b>Hours</b>	<b>Senior Year 2<sup>nd</sup> Semester</b>	<b>Hours</b>
<u>EE 3340</u> .....	3	<u>EE 4372</u> .....	3
<u>EE 4350</u> .....	3	<u>EE 4374, 4376, 4378</u> (Choose Two) .....	6
<u>EE 4370</u> .....	3	<u>EE 4391</u> .....	3
<u>EE 4377</u> .....	3		
<u>EE 4390</u> .....	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>12</b>

<sup>1</sup> Choose 1 course from Lone Star College, Tomball's General Education Core Curriculum Humanities Requirement (core coded 040).

<sup>3</sup> Choose 1 course from Lone Star College, Tomball's General Education Core Curriculum Visual and Performing Arts Requirement (core coded 050).

<sup>3</sup> **Texas Common Course Numbering System.**

<sup>4</sup> **Voluntary Course Transfer Agreement. If the courses in the Freshman and Sophomore years are not available at Lone Star College, Tomball, students will be required to take the equivalency noted in the parentheses at Texas State or another institution.**

<sup>5</sup> Courses in (parentheses) indicate the course transfer equivalents at Texas State.

<sup>6</sup> Texas State will apply to a degree up to 66 hours from an accredited two-year college (6-8 hours may be added with college dean approval – for this TPG the Texas State Dean approves up to 72 hours).

<sup>7</sup> Students may elect to complete courses in a different sequence where possible, but should consult a counselor/advisor before doing so.

<sup>8</sup> If two years of the same foreign language were not completed in high school, students must take 6-8 hours of the same foreign language.

## TEXAS STATE UNIVERSITY-SAN MARCOS

### UNIVERSITY ADMISSION:

1. Submit ApplyTexas Admission Application online ([www.ApplyTexas.org](http://www.ApplyTexas.org)), application fee, and all credentials to the Texas State Office of Undergraduate Admissions by the stated deadline: [www.admissions.txstate.edu/future/transfer/deadlines.html](http://www.admissions.txstate.edu/future/transfer/deadlines.html)
2. Submit an official transcript from each institution attended to the Office of Undergraduate Admissions. Students must be eligible to return (e.g., free of suspension, dismissal, or enforced withdrawal) to all previous institutions regardless of grade point average (GPA) or degrees received.
3. A minimum 2.25 grade point average (GPA) in all transferable courses is required. In computing the GPA, grades of A, B, C, D, and F are computed as recorded. Grades of W, P, Q, and X are disregarded and grades of WF and I are averaged as F. Grades in non-transferable and technical/vocational courses are disregarded.

### PROGRAM ADMISSION:

In order to declare Electrical Engineering as a major, students must meet one of the following prerequisites: ACT Math score of 24 or higher, SAT Math score of 520 (re-centered) or higher, or credit for one of the following math courses with a grade of “C” or higher: MATH 1315, 1317, 1319, or 1329. Students who do not meet the above prerequisites may choose Pre- Electrical Engineering as their major. Pre- Electrical Engineering students who complete one of the following math courses with a grade of “C” or higher may declare Electrical Engineering as their major: MATH 1315, 1317, 1319, or 1329.

#### **Send official paperwork to:**

Texas State University-San Marcos  
Office of Undergraduate Admissions  
429 N. Guadalupe  
San Marcos, Texas 78666  
512/245-2364  
[www.admissions.txstate.edu/](http://www.admissions.txstate.edu/)

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Students transferring directly to Texas State University-San Marcos from a community college may elect to follow the Texas State catalog in effect at the time they entered the community college, or any subsequent catalog upon approval of the Dean of their College. Students are reminded to refer to their designated catalog for information relating to the University, College, and/or Departmental requirements for curriculum, graduation, probation/suspension, and other general information.

College of Science and Engineering  
Academic Advising Center  
Centennial Hall 202  
Texas State University-San Marcos  
San Marcos, Texas 78666  
512/245-1315  
<http://www.cose.txstate.edu/advising>

*Texas State reserves the right to withdraw courses at any time, to change its fees or tuition, calendar, curriculum, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever authorities determine and will apply to both prospective students and those already enrolled.*