BS – Microbiology (with and without concentrations) with Biochemistry minor (SC-BS/MICR/BCHM) 2022 Catalog year: College of Science and Engineering

This is not an official degree audit and it is subject to change. This chart is intended to be used by students who start out at Texas State. Please contact the College of Science Undergraduate Advising Center for advising.

**Note:** In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

**KEY:**

- Arrows indicate prerequisites.
- Arrows with dotted lines indicate co-requisites.
- Arrows with dash lines are recommended prerequisites.
- Courses taught specific semesters are indicated with the following codes:
  - F-Fall
  - S-Spring

**Core courses must be completed:**

- 6 credits Core 010
- 3 credits Core 020
- 6 credits Core 030
- 3 credits Core 040
- 3 credits Core 050
- 6 credits Core 060
- 6 credits Core 070
- 3 credits Core 080
- 6 credits Core 090

**ADV. PHYSIOLOGY:**

- Biology major (no concentration) – one from:
  - BIO 3421 – Vertebrate Phys (S)
  - BIO 3426 – Human Phys (F)
  - BIO 4447 – Microbial Phys (F)

- Biology major (with concentration) – one from:
  - BIO 3421 – Vertebrate Phys (S)
  - BIO 3426 – Human Phys (F)

**Notes:**

1. Cannot apply to advanced biology electives:
   - BIO 3351, 4305, 4402, 4403, 4408
2. BIO 4399 requires faculty and departmental approval to count towards advanced electives and must be taken twice.
3. Students may apply only one course from [BIO 3421 or BIO 3426] towards the biology major requirements.
4. BIO 4447 can be used to satisfy the physiology requirement or the advanced biology electives requirement, but not both.
5. Extra advanced or non-advanced electives may be required to meet graduation requirements (check with advisor)
6. Always check course prerequisites.

**11-12 advanced microbiology electives from:**

- BIO 3466/4166 (F,S)
- BIO 4411 (F)
- BIO 4447 (F)
- BIO 4480 (F)
- BIO 4480 (F)

**Microbiology major (pre-med & pre-dent):**

- 3-4 hours advanced biology electives, chosen with an academic advisor.

**Microbiology major (pre-physician assistant):**

- 3-4 hours advanced biology electives, chosen with an academic advisor.

**Microbiology major (no concentration):**

- 3-4 hours advanced biology electives, chosen in consultation with an academic advisor.

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