BS – Microbiology with Biochemistry minor (PRE-DENT) (SC-BS/MICR/BCHM) 2018 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 dash lines indicate co-requisites.
- Arrows with dot lines indicate co-requisites.
- Courses taught specific semesters are indicated with the following codes:
  - F: Fall
  - S: Spring
  - Su: Summer Session I or II
- Required WI courses: BIO 4416
- Additional WI courses: BIO 3442, 4166, 4441, 4446, 4447

**11-12 hours from:**
- BIO 3442 (F.S) – Virology
- BIO 4326/4126 (F.S) – Immunology
- BIO 4366/4466 (F.S) – Medical Microbiology
- BIO 4376/4476 – Microbial Biotech (previously BIO 4350R)

**3-4 hours advanced biology electives, chosen in consultation with an academic advisor.**
- BIO 4299 requires faculty and departmental approval to count towards advanced electives and must be taken twice. Check course prerequisites.

**Biochemistry**

- CHEM 3276 (F.S) – Experimental Biochem
- CHEM 3375 (F) – Biochemistry
- CHEM 3276 (F.S)
- CHEM 4385 (S) – Metabolism

**Vertebrate Physiology**

- BIO 2400 (F.S) – Microbiology
- BIO 2480 (F.S,Su) – Genes
- BIO 3375 (F) – Vertebrate Physiology

**Elective hours (as needed, see advisor)**

- **3 hours from:**
  - CHEM 4360 (F) – Adv Biochem & Molecular Bio
  - BIO 4301 (F.S) – General Ecology

- **Core courses must be completed:**
  - **_US 1100_**
  - **_COMM 1310_**
  - **_PHIL 1320_**
  - **_ENG 1310_**
  - **_ENG 1320_**
  - **_HIST 1310_**
  - **_HIST 1320_**
  - **_ART/DAN/MU/TH 2313_**
  - **_PSY 1300_**

US 1100 & ENG 1310 recommended for first semester. HIST 1310/1320 not recommended for first semester.