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 - Summer Session I or II
- Su - Summer Session I or II
- Required WI courses: BIO 4416
- Additional WI courses: BIO 3200, 3442, 4126, 4166, 4326, 4431, 4441, 4446, 4447, 4448

### BS – Microbiology with Biochemistry minor (SC-BS/MICR/BCHM)

#### 2021 Catalog year: College of Science and Engineering

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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<tbody>
<tr>
<td>Fall</td>
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<td>Spring</td>
<td>Spring</td>
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</table>

**REQUIRED WI COURSES:** BIO 4416

**ADDITIONAL WI COURSES:** BIO 3200, 3442, 4126, 4166, 4326, 4431, 4441, 4446, 4447, 4448

### Core courses must be completed:

- **COMM 1310**
- **PHIL 1305 or 1320**
- **ENG 1310**
- **ENG 1320**
- **ENG 2310-2360**
- **HIST 1310**
- **HIST 1320**
- **ART/DAN/MU/TH 2313**
- **POSI 2310**
- **POS 2320**
- **ANT 1312/ECO 2301/ECO 2314/GE 1310/PSY 1300/SOC 1310**

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

**ELECTIVE HOURS (as needed, see advisor)**

**3-4 HOURS ADVANCED BIOLOGY ELECTIVES,** chosen in consultation with an academic advisor.

### 11-12 HOURS FROM:

- BIO 3441 (S)
- BIO 4447 (F)
- BIO 3421 (S)
- BIO 3426 (F)

(Also allow PHYS 1430)

**CHECK COURSE PREREQUISITES.**

**4 HOURS FROM:**

- BIO 4441 (S)
- BIO 4447 (F)
- BIO 3421 (S)
- BIO 3426 (F)

(Also allow PHYS 2425)

**CHECK COURSE PREREQUISITES.**

**3 HOURS FROM:** BIO 4360 (F)

- Adv Biochem & Molecular Bio
- CHEM 4385 (F, S)

**ADDITIONAL REQUIREMENTS:**

- BIO 4299 requires faculty and departmental approval to count towards advanced electives and must be taken twice. Check course prerequisites.

**DO NOT COUNT:** BIO 3351, 4305, 4402, 4403, 4408

### ELECTIVE HOURS (as needed, see advisor)**

**11-12 HOURS FROM:**

- CHEM 4360 (F)
- BIO 4416 (F, S)

**CHECK COURSE PREREQUISITES.**

**3-4 HOURS ADVANCED BIOLOGY ELECTIVES,** chosen in consultation with an academic advisor.

**DO NOT COUNT:** BIO 3351, 4305, 4402, 4403, 4408