BS – Microbiology with Biochemistry minor (PRE-PA) (SC-BSTM/BCHM/PPMI) 2018 Catalog year: College of Science and Engineering

**Freshman**
- **Fall semester**
  - BIO 1330 (F,S)
  - BIO 1130 (F,S)
  - General Biology

- **Spring semester**
  - BIO 1331 (F,S)
  - BIO 1131 (F,S)
  - Organismal Biology

**Sophomore**
- **Fall semester**
  - CHEM 1341 (F,S,Su)
  - CHEM 1342 (F,S,Su)
  - General Chemistry I

- **Spring semester**
  - CHEM 2341 (F,S,Su)
  - CHEM 2141 (F,S,Su)
  - Organic Chemistry I

**Junior**
- **Fall semester**
  - PHYS 1315 (F,S,Su)
  - PHYS 1115 (F,S,Su)
  - General Physics I

- **Spring semester**
  - PHYS 1325 (F,S,Su)
  - PHYS 1125 (F,S,Su)
  - General Physics II

11-12 hours from:
- BIO 3442 (F,S) - Virology
- BIO 43264126 (F,S) - Immunology
- BIO 43664166 (F,S) - Medical Microbiology
- BIO 43764176 – Microbial Biotech (previously BIO 4350R)
- BIO 4413 (F) - Parasitology (instructor approval required)
- BIO 3430 (F) - Mycology
- BIO 4480 (F) - Cytology & Microtechnique
- BIO 4447 (F) - Microbial Physiology

Note: BIO 4444 cannot count for both physiology and advanced microbiology. Only counts for one requirement. If taking BIO 4466, must also complete BIO 4166. If taking BIO 4326, must also complete 4126.

Check course prerequisites.

**Senior**
- **Fall semester**
  - BIO 4446 (F) - Vertebrate Anatomy

- **Spring semester**
  - BIO 4416 (F,S) - General Ecology

3 hours from:
- CHEM 4385 (S) - Advanced Biochem & Molecular Bio

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 recommended prerequisites.
- Courses taught specific semesters are indicated with the following codes:
  - F - Fall
  - S - Summer Session I or II
  - Su - Summer Session II
- Required WI courses: BIO 4416
- Additional WI courses: BIO 3442, 4166, 4441, 4446, 4447

Core courses must be completed:
- _US 1100_  
- _COMM 1310_  
- _PHIL 1320_  
- _ENG 1310_  
- _ENG 1320_  
- _ENG 2310-2360_  
- _ART/DAN/MU/TH 2313_  
- _HIST 1310_  
- _HIST 1320_  
- _PSY 1300_  

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