BS – Biochemistry with a minor in biology (PRE-PHARMACY)  (SC-BCHM/BIO/PPBC)  2019 Catalog year: College of Science and Engineering

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

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

**Sophomore Fall semester**
- **CHEM 1341 (F,S,Su)**
  General Chemistry I
- **CHEM 1342 (F,S,Su)** & **CHEM 1142 (F,S,Su)**
  General Chemistry II
- **BIO 2400 (F,S)**
  Microbiology

**Sophomore Spring semester**
- **CHEM 2341 (F,S,Su)** & **CHEM 2141 (F,S,Su)**
  General Chemistry II & Organic Chemistry I
- **CHEM 2342 (F,S,Su)** & **CHEM 2142 (F,S,Su)**
  Organic Chemistry II

**Junior Fall semester**
- **BIO 2450 (F,S)**
  Genetics
- **CHEM 3375 (F)**
  Principles of Biochemistry

**Junior Spring semester**
- **BIO 2451 (F,S)**
  Human ACP I (does not count toward BIO minor) requires instructor approval

**Senior Fall semester**
- **CHEM 4360 (F)**
  Molecular Biology

**Senior Spring semester**
- **CHEM 4385 (S)**
  Metabolism

**Extra advanced hours may be required. See advisor.**

For Biology minor only:
9 hours advanced biology electives, chosen in consultation with an academic advisor.

Check for additional prerequisites.
DO NOT COUNT: BIO 3351, 4305, 4402, 4403, 4408

**KEY:**
- Arrows indicate prerequisites.
- Arrows with dotted lines indicate corequisites.
- Arrows with dash lines are recommended prerequisites.
- Courses taught specific semesters are indicated with the following codes: F-Fall, S-Spring, Su-Summer Session I or II
- Required WI courses: CHEM 3381, 4481, 4382

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.

**Core courses must be completed:**
- **US 1100**
- **COMM 1310**
- **PHIL 1305 OR 1320**
- **ENG 1310**
- **ENG 1320**
- **ENG 2310-2360**
- **HIST 1310**
- **HIST 1320**
- **ART/DAN/MU/TH 2313**
- **POSI 2310**
- **POSI 2320**
- **ECO 2314/PSY 1300/SOCI 1310**

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