BS – Biochemistry with a minor in biology  
(SC-BS/BCHM/BIO)

**Core Requirements**

- PHYS 1430 (F,S) Mechanics
- MATH 2471 (F,S,Su) Calculus I
- BIO 1330 (F,S) & BIO 1130 (F,S) Functional Biology
- CHEM 1341 (F,S,Su) & CHEM 1141 (F,S,Su) General Chemistry I
- CHEM 1342 (F,S,Su) & CHEM 1142 (F,S,Su) General Chemistry II
- BIO 1331 (F,S) & BIO 1131 (F,S) Organismal Biology
- CHEM 2341 (F,S,Su) & CHEM 2141 (F,S,Su) Organic Chemistry I
- PHYS 2425 (F,S) Electricity & Magnetism
- MATH 2472 (F,S,Su) Calculus II
- CHEM 2342 (F,S,Su) & CHEM 2142 (F,S,Su) Organic Chemistry II
- PHYS 1439 (F) Principles of Biochemistry
- CHEM 1337 (F) Analytical Biochemistry
- CHEM 2450 (F,S) Genetics
- BIO 2400 (F,S) Microbiology
- CHEM 3375 (F) Biochemistry Techniques
- CHEM 3380 (F) Molecular Biology
- CHEM 3380 (F) Descriptive Inorganic Chemistry
- CHEM 3390 (F) Physical Chemistry of Biochemistry
- CHEM 4360 (F) Metabolism
- CHEM 4282 (F) Advanced Biochem Research
- CHEM 4282 (F) Advanced Biochem Research

**Electives**

- Additional electives can be chosen in consultation with an academic advisor.

**For ACS Certification**

- CHEM 3341 (F) Principles of Biochemistry
- CHEM 3342 (F) Descriptive Inorganic Chemistry
- CHEM 3375 (F) Analytical Biochemistry
- CHEM 4360 (F) Metabolism

**For Biology Minor**

- 9 hours of advanced biology electives

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 corequisites.
- Arrows with dash lines are recommended prerequisites.
- Courses taught in specific semesters are indicated by the following codes:
  - F-Fall
  - S-Spring
  - Su-Summer Session I or II
  - POI-POSI

- Required WI courses: CHEM 3275, 4481, 4282

**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_
- _ANTH 1312/ECO 2301/ECO 2314/GEO 1310/PSY 1300/SOCI 1310_

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

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