BS – Biochemistry with a minor in biology

**Core and Minor Requirements**

**Freshman Fall semester**
- PHYS 1430 (F,S) Mechanics
  - MATH 2471 (F,S,Su) Calculus I
- BIO 1330 (F,S) & BIO 1130 (F,S) Functional Biology

**Freshman Spring semester**
- PHYS 2425 (F,S) Electricity & Magnetism
  - MATH 2472 (F,S,Su) Calculus II
  - 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 1141 (F,S,Su) General Chemistry II

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

**Junior Fall semester**
- CHEM 3375 (F) Principles of Biochemistry
  - CHEM 3380 (S) Analytical Biochemistry
  - CHEM 4360 (F) Molecular Biology
  - CHEM 4385 (S) Metabolism
  - BIO 2400 (F,S) Microbiology
  - CHEM 3381 (S) Biochemistry Techniques
  - CHEM 4481 (F) Advanced Biochem Lab 1

**Junior Spring semester**
- CHEM 3390 (F) Physical Chemistry of Biochemistry
  - Spring semester: CHEM 3375, 4375
  - Extra advanced hours may be required. See advisor.

**Senior Fall semester**
- CORE COURSES
- For Biology minor only: 9 hours advanced biology electives, chosen in consultation with an academic advisor.

**Senior Spring semester**
- CORE COURSES
- EXTRA ADVANCED CREDITS

**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
- SOCI 1310

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

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-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.