BS – Chemistry w/ a minor in Biology (PRE-DENT) (SC-BS/CHEM/BIO/PDCH) 2021 Catalog year: College of Science and Engineering

**Freshman**

Fall semester:
- CHEM 1341 (F,S,Su)
- CHEM 1141 (F,S,Su)
- General Chemistry I
  - TCNS: CHEM 1311+1111 or 1111

Spring semester:
- CHEM 1342 (F,S,Su)
- CHEM 1142 (F,S,Su)
- General Chemistry II
  - TCNS: CHEM 1312+1112 or 1112

**Sophomore**

Fall semester:
- PHYS 2431 (F,S,Su)
  - Mechanics
  - TCNS: PHYS 2431

Spring semester:
- PHYS 2432 (F,S,Su)
  - Electricity & Magnetism
  - TCNS: PHYS 2432

**Junior**

Fall semester:
- BIO 4230 (F,S,Su)
- Genetics
  - TCNS: BIOL 2400 or 2120

Spring semester:
- CHEM 4231 (F,S,Su)
  - Physical Chemistry I
  - TCNS: CHEM 3340

**Senior**

Fall semester:
- CHEM 4241 (F,S,Su)
  - Advanced Lab II

Spring semester:
- CHEM 4243 (F,S,Su)
  - Biochemistry

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

Note: CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemistry Society.

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**Core courses must be completed:**
- Communication Component Code 010 (6 cr)
- Mathematics Component Code 020 (3 cr)
- Life & Physical Science Component Code 030 (6 cr)
- Language, Philosophy, and Culture Component Code 040 (3 cr)
- Creative Arts Component Code 050 (3 cr)
- American History Component Code 060 (6 cr)
- Government/Political Science Component Code 070 (6 cr)
- Social and Behavioral Sciences Component Code 080 (3 cr)
- Component Area Option Codes 090, 091, 092, 093, and 094 (6 cr)

US 1100 may be required for some students. Some majors require specific courses to be chosen from a component area. Consult with an advisor to determine the most expedient way to complete core and major-specific requirements.

**Note:** Students in the pre-dental concentration must complete BIO 1330+1130, BIO 1311+1111, BIO 2400, BIO 2450, BIO 3421, MATH 2328 or MATH 3305, PHIL 1320, and PSY 1300.

**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 – Spring
  - Su – Summer Session I or II
- Required WI courses: CHEM 3245, 4231, 4241

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.