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

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 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

Core courses must be completed:
- _US 1100_  
- _ENG 1310_  
- _HIST 1310_  
- _POSI 2310_  
- _ART/DAN/MU/TH 2313_  

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

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

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

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**Freshman Fall semester**
- MATH 2471 (F,S,Su) Calculus I

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

**Sophomore Fall semester**
- PHYS 1430 (F,S) Mechanics
  - 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

**Sophomore Spring semester**
- PHYS 2425 (F,S) Electricity & Magnetism
  - 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 3390 (F) Physical Chemistry of Biochemistry
  - CHEM 3375 (F) Principles of Biochemistry
  - BIO 2400 (F,S) Microbiology
  - BIO 2450 (F,S) Genetics

**Junior Spring semester**
- Extra advanced hours may be required. See advisor.

**Senior Fall semester**
- MATH 2328 (F,S,Su) Elementary Statistics  
  OR  
- MATH 3305 (F,S,Su) Intro to Probability & Statistics

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

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

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**Core courses must be completed:**
- _US 1100_  
- _COMM 1310_  
- _PHIL 1320_  
- _ENG 1310_  
- _ENG 1320_  
- _ENG 2310-2360_  
- _HIST 1310_  
- _HIST 1320_  
- _ART/DAN/MU/TH 2313_  
- _POSI 2310_  
- _POSI 2320_  
- _ART/DAN/MU/TH 2313_  
- _PSY 1300_  

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