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

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.

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

**BS – Biochemistry with a minor in biology**

<table>
<thead>
<tr>
<th>Freshman Fall semester</th>
<th>Freshman Spring semester</th>
<th>Sophomore Fall semester</th>
<th>Sophomore Spring semester</th>
<th>Junior Fall semester</th>
<th>Junior Spring semester</th>
<th>Senior Fall semester</th>
<th>Senior Spring semester</th>
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<tbody>
<tr>
<td><strong>CHEM 1341 (F,S,Su)</strong></td>
<td><strong>CHEM 1342 (F,S,Su)</strong> &amp; <strong>CHEM 1141 (F,S,Su)</strong> General Chemistry I</td>
<td><strong>PHYS 1430 (F,S)</strong> Mechanics</td>
<td><strong>PHYS 2425 (F,S)</strong> Electricity &amp; Magnetism</td>
<td><strong>CHEM 3390 (F)</strong> Physical Chemistry of Biochemistry</td>
<td><strong>BIO 2400 (F,S)</strong> Microbiology</td>
<td><strong>CHEM 3364 (F)</strong> Descriptive Inorganic Chemistry</td>
<td><strong>CHEM 4299</strong></td>
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</tbody>
</table>

**CHEM 1330 (F,S)** & **BIO 1130 (F,S)** Functional Biology

**CHEM 2341 (F,S,Su)** & **CHEM 2141 (F,S,Su)** General Chemistry II & Organismal Biology

**CHEM 2342 (F,S,Su)** & **CHEM 2142 (F,S,Su)** Organic Chemistry I & Organic Chemistry II

**CHEM 3375 (F)** Principles of Biochemistry

**CHEM 3381 (S)** Biochemistry Techniques

**CHEM 4481 (F)** Advanced Biochem Lab I

**CHEM 4382 (S)** Advanced Biochem Research

**CHEM 4385 (F)** Molecular Biology

**CHEM 4360 (F)** Metabolism

**CHEM 3380 (S)** Analytical Biochemistry

**CHEM 3384 (F)** Molecular Biology

**CHEM 438 (S)** Advanced Biochem Research

**CHEM 3364 (F)** Descriptive Inorganic Chemistry

**CHEM 3341 (F)** Descriptive Inorganic Chemistry

**CHEM 3364 (F)** Descriptive Inorganic Chemistry

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