### BS – Biochemistry with a minor in biology (PRE-MED)

**SC-BS/BCHM/BIO**

2018 Catalog year: College of Science and Engineering

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Freshman</th>
<th>Sophomore</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Junior</th>
<th>Senior</th>
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<tbody>
<tr>
<td>Fall semester</td>
<td>Spring semester</td>
<td>Fall semester</td>
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<td>Spring semester</td>
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<td>Spring semester</td>
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</tbody>
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- **MATH 2471 (F,S,Su)** Calculus I
- **PHYS 1430 (F,S)** Mechanics
- **CHEM 1341 (F,S,Su)** General Chemistry I
- **CHEM 1342 (F,S,Su)** General Chemistry II
- **CHEM 2341 (F,S,Su)** Organic Chemistry I
- **CHEM 2342 (F,S,Su)** Organic Chemistry II
- **CHEM 3375 (F)** Principles of Biochemistry
- **CHEM 3381 (S)** Biochemistry Techniques
- **CHEM 3380 (S)** Analytical Biochemistry
- **CHEM 3390 (F)** Physical Chemistry of Biochemistry
- **CHEM 4360 (F)** Molecular Biology
- **CHEM 4382 (S)** Advanced Biochem Research
- **CHEM 4385 (S)** Metabolism
- **CHEM 3381 (F)** Biochemistry Techniques
- **CHEM 3380 (S)** Analytical Biochemistry
- **CHEM 3375 (F)** Principles of Biochemistry
- **CHEM 3390 (F)** Physical Chemistry of Biochemistry
- **CHEM 4360 (F)** Molecular Biology
- **CHEM 4382 (S)** Advanced Biochem Research
- **CHEM 4385 (S)** Metabolism

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**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-Summer Session I or II
  - Su-Spring

**Required WI courses:** CHEM 3381, 4481, 4382

**Core courses must be completed:**

- \_US 1100
- \_ENG 1310
- \_HIST 1310
- \_COMM 1310
- \_ENG 1320
- \_HIST 1320
- \_PHIL 1320
- \_ENG 2310-2360
- \_ART/DAN/MU/TH 2313
- \_PSY 1300

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

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**Note:** In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

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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.

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**Advising Center for advising**

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**State chart is intended to be used by students who start out at Texas State. This is not an official degree audit and it is subject to change.**

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**Check for additional prerequisites.**

**DO NOT COUNT**: BIO 3351, 4305, 4402, 4403, 4408

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**For Biology minor only:**

6 hours advanced biology electives, chosen in consultation with an academic advisor.

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**Extra advanced hours may be required. See advisor.**