### BS - Biology with Chemistry minor

**SC-BS/BIO/CHEM**

**2018 Catalog year: College of Science and Engineering**

<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>BIO 1330 (F,S) &amp; BIO 1130 (F,S)</td>
<td>BIO 1331 (F,S) &amp; BIO 1131 (F,S)</td>
<td>BIO 2450 (F,S,Su)</td>
<td>CHEM 3410 (F,S,Su) &amp; CHEM 2141 (F,S,Su)</td>
<td>PHYS 1315 (F,S,Su) &amp; PHYS 1115 (F,S,Su)</td>
<td>PHYS 1325 (F,S,Su) &amp; PHYS 1125 (F,S,Su)</td>
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<tr>
<td>Biomedical Chemistry</td>
<td>Organizational Biology</td>
<td>Genetics</td>
<td>Quantitative Analysis</td>
<td>General Chemistry I</td>
<td>General Chemistry II</td>
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<td>BIO 1341 (F,S,Su) &amp; CHEM 1141 (F,S,Su)</td>
<td>CHEM 1342 (F,S,Su) &amp; CHEM 1142 (F,S,Su)</td>
<td>CHEM 2341 (F,S,Su) &amp; CHEM 2142 (F,S,Su)</td>
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<td>General Chemistry I</td>
<td>General Chemistry I</td>
<td>Organic Chemistry I</td>
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**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**
- **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-requisites.
- Arrows with dashed lines are recommended prerequisites.
- Courses taught specific semesters are indicated with the following codes:
  - F - Fall
  - S - Summer Session
  - Su - Summer Session II
- Required WI courses: BIO 4416
- Additional WI courses: BIO 3308, 3442, 3460, 4166, 4376, 4420, 4423, 4441, 4446, 4447, 4454, 4464, 4470, 4472

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

**Extra advanced or non-advanced electives may be required to meet graduation requirements (check with advisor)**

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

BIO 4301 (F,S) Evolution

3 hours from:

- CHEM 4333 – Spectroscopy (see dpt)
- CHEM 4351 – Intro to Polymers (see dpt)
- CHEM 4375 – Biochemistry (F,S,Su)
- CHEM 4390 - Supramolecular Chemistry (see dpt)

Check course prerequisites.