### Biology with chemistry minor

**2011 Catalog (SC-BS/BIO/CHEM)**

College of Science and Engineering Undergraduate Advising Center

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 and Minor Requirements

**Required WI courses:** BIO 4416

Additional WI courses: BIO 3308, 3370, 3422, 3442, 3460, 4420, 4423, 4426, 4441, 4445, 4446, 4447, 4454, 4464, 4470, 4472

#### Courses taught specific semesters are indicated with the following codes:

- **F-Fall**
- **S-Spring**
- **S1-Summer Session I**
- **S2-Summer Session II**

#### Arrows with dotted lines indicate corequisites.

#### Arrows indicate prerequisites.

#### Core courses must be completed:

- **US 1100**
- **COMM 1310**
- **ART/DAN/MU/TH 2313**
- **PHIL 1305 or 1320**
- **ENG 1310**
- **ENG 1320**
- **HIST 1310**
- **HIST 1320**
- **POSI 2310**
- **POSI 2320**
- **ENG 2310-2360**
- **ANTH 1312/ECO 2301/ECO 2314/GEO 1310/PSY 1300/SOCI 1310**

**ENG 1310** recommend for first semester. **HIST 1310/1320** not recommended for first semester.

#### Student Pathway

<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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</thead>
<tbody>
<tr>
<td>8 hours of core courses.</td>
<td>7 hours of core courses.</td>
<td>3 hours of core courses.</td>
<td>6 hours of core courses.</td>
<td>3 hours of core courses.</td>
<td>6 hours of core courses.</td>
<td>3 hours of core courses.</td>
<td>2 hours of electives (may be different if minor is not chemistry)</td>
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<tr>
<td>BIO 1330 (F,S)</td>
<td>BIO 1331 (F,S)</td>
<td>BIO 2450 (F,S)</td>
<td>4 hours from: BIO 2400 (F,S)</td>
<td>BIO 2410 (F)</td>
<td>BIO 2411 (S)</td>
<td>BIO 4416 (F,S,S2)</td>
<td>4 hours from: BIO 3421 (F,S)</td>
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</tbody>
</table>

**Math courses: MATH 2321 (F,S,S1)**

**Chemistry courses: CHEM 1341 (F,S,S1), CHEM 1342 (F,S,S2)**

**Physics course: PHYS 1410 (F,S,S1)**

**Core courses: BIO 4416 (F,S,S2)**

**Additional WI courses: BIO 3308, 3370, 3422, 3442, 3460, 4420, 4423, 4426, 4441, 4445, 4446, 4447, 4454, 4464, 4470, 4472**

**Recommended for first semester:**

- BIO 2141
- BIO 2341
- CHEM 3410 (F,S,S1)
- CHEM 2341 (F,S,S1)
- CHEM 2142 (F,S,S2)
- BIO 4402
- BIO 4403
- ENG 1310
- ENG 1320
- HIST 1310
- HIST 1320
- POSI 2310
- POSI 2320
- ENG 2310-2360
- ANTH 1312/ECO 2301/ECO 2314/GEO 1310/PSY 1300/SOCI 1310

**Additional WI courses: BIO 3308, 3370, 3422, 3442, 3460, 4420, 4423, 4426, 4441, 4445, 4446, 4447, 4454, 4464, 4470, 4472**

**Check course prerequisites.**

**Additional Hours:**

- 15 hours advanced biology electives, chosen in consultation with an academic advisor.
- BIO 4299 requires faculty and departmental approval to count towards advanced electives and must be taken twice.
- **DO NOT COUNT:** BIO 3351, 4305, 4402, 4403, 4408

**Advanced biology electives:**

- 3 hours from: CHEM 4333 (S), 4351 (F), 4375 (F,S1), 4385 (S), 4390 (see dpt)

**Additional requirements:**

- **16 hours**
- **15 hours**
- **14 hours**
- **17 hours**
- **15 hours**
- **14 hours**
- **14-15 hours**
- **14-15 hours**

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