BACHELOR OF SCIENCE (B.S.) MAJOR IN BIOLOGY

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).

3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Chemistry or Biochemistry. Minor and electives should be chosen in consultation with the academic advisor.

4. The minimum number of hours required for this degree program is 120. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

5. Nine semester credit hours must be writing intensive (WI).

6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
<th>Second Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 1330 (Life &amp; Physical Sciences Component Code 030)</td>
<td>3</td>
<td>BIO 1331 (Life &amp; Physical Sciences Component Code 030)</td>
<td>3</td>
</tr>
<tr>
<td>BIO 1130</td>
<td>1</td>
<td>BIO 1131</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1141</td>
<td>1</td>
<td>CHEM 1142</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1341</td>
<td>3</td>
<td>CHEM 1342</td>
<td>3</td>
</tr>
<tr>
<td>US 1100</td>
<td>1</td>
<td>ENG 1320 (Communication Component Code 010)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 1310 (Communication Component Code 010)</td>
<td>3</td>
<td>HIST 1310 (American History Component Code 060)</td>
<td>3</td>
</tr>
<tr>
<td>POSI 2310 (Government/Political Science Component Code 070)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Freshman</strong></td>
<td><strong>15</strong></td>
<td><strong>Second Semester</strong></td>
<td><strong>14</strong></td>
</tr>
<tr>
<td>BIO 2450</td>
<td>4</td>
<td>BIO Advanced Electives</td>
<td>8-9 BIO 4301</td>
</tr>
<tr>
<td>CHEM 2141</td>
<td>1</td>
<td>CHEM 2142</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 2341</td>
<td>3</td>
<td>CHEM 2342</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Component Code 020</td>
<td>3</td>
<td>Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior</th>
<th>First Semester</th>
<th>Hours</th>
<th>Second Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 4416</td>
<td>4</td>
<td>BIO Advanced Physiology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PHYS 1315</td>
<td>3</td>
<td>PHYS 1325</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 1115</td>
<td>1</td>
<td>PHYS 1125</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>COMM 1310 (Component Area Option Code 090/091)</td>
<td>3</td>
<td>ENG Literature (Component Area Option Code 090/094)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHIL 1305 or 1320 (Language, Philosophy &amp; Culture Component Code 040)</td>
<td>3</td>
<td>Social &amp; Behavioral Sciences Component Code 080</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Junior</strong></td>
<td><strong>14</strong></td>
<td><strong>Second Semester</strong></td>
<td><strong>14</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Senior</strong></td>
<td>First Semester</td>
<td>Hours</td>
<td>Second Semester</td>
<td>Hours</td>
</tr>
<tr>
<td>BIO Advanced Electives</td>
<td>8-9 BIO 4301</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minor/Advanced Electives</td>
<td>7-8 BIO Advanced Electives</td>
<td>6-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minor/Advanced Electives</td>
<td>2-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Senior</strong></td>
<td><strong>16</strong></td>
<td><strong>Second Semester</strong></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 120

1. Mathematics requirements may be satisfied by taking MATH 2321 and MATH 2328, or MATH 2471 and MATH 2328, or MATH 2321 and MATH 2331, or MATH 2471 and MATH 2472.

2. Choose one Advanced Physiology course from: BIO 3421 (fall or spring), BIO 3465 (fall), or BIO 4441 (spring).

3. BIO 4299 requires faculty and departmental chair approval to count toward the 15 hours of advanced BIO electives. Biology advanced electives cannot include: BIO 3351, BIO 4305, BIO 4402, BIO 4403, and BIO 4408.