BIOLOGICAL SCIENCE B.S.

All students must meet the University Requirements.
All students must meet the College Requirements.

MAJOR REQUIREMENTS

The Biological Science B.S. core curriculum requires satisfactory completion:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCOR 011 &amp; BCOR 012</td>
<td>Exploring Biology and Exploring Biology</td>
<td>4-8</td>
</tr>
<tr>
<td>BCOR 021</td>
<td>Accelerated Biology</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 101</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 102</td>
<td>Ecology and Evolution</td>
<td>4</td>
</tr>
<tr>
<td>BCOR 103</td>
<td>Molecular and Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 031</td>
<td>General Chemistry 1</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 032</td>
<td>General Chemistry 2</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 141</td>
<td>Organic Chemistry 1</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 142</td>
<td>Organic Chemistry 2</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose one of the following options: 8-10

**Option A**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 011 &amp; PHYS 021</td>
<td>Elementary Physics and Introductory Lab I</td>
<td>6-8</td>
</tr>
<tr>
<td>PHYS 012 &amp; PHYS 022</td>
<td>Elementary Physics and Introductory Lab II</td>
<td>6-8</td>
</tr>
</tbody>
</table>

**Option B**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHYS 051</td>
<td>Fundamentals of Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 152</td>
<td>Fundamentals of Physics II</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following sequences:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 019 &amp; MATH 020</td>
<td>Fundamentals of Calculus I and Fundamentals of Calculus II</td>
<td>3-4</td>
</tr>
<tr>
<td>MATH 021 &amp; MATH 022</td>
<td>Calculus I and Calculus II</td>
<td>3-4</td>
</tr>
<tr>
<td>STAT 141</td>
<td>Basic Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 211</td>
<td>Statistical Methods I</td>
<td>3</td>
</tr>
</tbody>
</table>

In addition and in consultation with their academic advisor, students will design a course of study that includes an additional twenty-six credits of advanced life science electives.

Total Credits: 74-82

Within the advanced elective courses, and excluding the BCOR courses, no more than eight credits at the 100-level may be applied to the major except with written permission from an advisor and not exceeding three 100-level courses. From the advanced level electives, students must complete twelve credits from courses with a statistical component, three credits that stress oral communication and three credits that stress written communication. The advanced credits may include up to six credits of undergraduate research at the 200-level. For more information contact the CALS director of the program.