# 2013-14 Degree Plan
## Biology, BA
### College of Arts & Sciences: Department of Biology (4 Year Plan)

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Hours Towards Degree: 16</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101: Composition I: Exposition</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshman Academic Choice</td>
<td>3</td>
<td>D-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 150: Pre-Calculus Mathematics</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 121: General Chemistry I (SWC)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 123L: General Chemistry I Laboratory (SWC)</td>
<td>1</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Behavioral Science</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Term Hours:</strong></td>
<td><strong>16</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 2</th>
<th>Hours Towards Degree: 33</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201L: Molecular and Cell Biology (sub cat 1)</td>
<td>4</td>
<td>C</td>
<td>MATH 162 is a 4 credit hour class</td>
<td></td>
</tr>
<tr>
<td>CHEM 122: General Chemistry II (SWC)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 124L: General Chemistry II Laboratory (SWC)</td>
<td>1</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 180: Elements of Calculus I or MATH 162: Calculus I (SWC)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 102: Composition II: Analysis and Argument</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Second Language</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Term Hours:</strong></td>
<td><strong>17</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 3</th>
<th>Hours Towards Degree: 50</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 202L: Genetics (sub-cat 1)</td>
<td>4</td>
<td>C</td>
<td>MATH 163 is a 4 credit hour class</td>
<td></td>
</tr>
<tr>
<td>CHEM 301: Organic Chemistry (SWC)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 303L: Organic Chemistry Laboratory (SWC)</td>
<td>1</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 181 or MATH 163 or STAT 145 or CS 150 (SWC)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CJ 130 or PHIL 156 or ENGL 219 or 220</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Term Hours:</strong></td>
<td><strong>17</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 4</th>
<th>Hours Towards Degree: 66</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 203: Ecology and Evolution</td>
<td>3</td>
<td>C</td>
<td>If PHYC 102 is taken EPS 101 has to be taken. If PHYC 151 is taken PHYC 152 has to be taken. If PHYC 160 is taken PHYC 161 has to be taken.</td>
<td></td>
</tr>
<tr>
<td>BIOL 203L: Ecology and Evolution</td>
<td>1</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYC 102: Introduction to Physics or PHYC 151: General Physics or PHYC 160: General Physics (SWC)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minor</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Behavioral Sciences</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Term Hours:</strong></td>
<td><strong>16</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Term</td>
<td>Hours Towards Degree: 82</td>
<td>Hours</td>
<td>Minimum Grade</td>
<td>Notes</td>
</tr>
<tr>
<td>-----------</td>
<td>--------------------------</td>
<td>-------</td>
<td>---------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>BIOL 204: Plant and Animal Form and Function</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BIOL 204L: Plant and Animal Form and Function</td>
<td>1</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BIOC 423: Introductory Biochemistry (sub-cat 4) (See Biology Dept. for Rules)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Minor</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EPS 101: How the Earth Worksâ€“An Introduction to Geology or PHYC 152: General Physics or PHYC 161: General Physics (SWC)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Humanities</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Term Hours:</strong></td>
<td>16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term</th>
<th>Hours Towards Degree: 99</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>BIOL 3** or BIOL 4** (sub-cat 2)</td>
<td>4</td>
<td>C</td>
<td>BIOL that is 3 or 4 credit hours with laboratory</td>
</tr>
<tr>
<td></td>
<td>BIOL 3** or BIOL 4** (sub-cat 2)</td>
<td>4</td>
<td>C</td>
<td>BIOL that is 3 or 4 credit hours with laboratory</td>
</tr>
<tr>
<td></td>
<td>Minor</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Minor</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2nd Major or Upper Division Elective</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Term Hours:</strong></td>
<td>17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term</th>
<th>Hours Towards Degree: 114</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>BIOL Upper Division Elective (sub-cat 3)</td>
<td>3</td>
<td>C</td>
<td>See Biology Dept. for Rules</td>
</tr>
<tr>
<td></td>
<td>BIOL Upper Division Elective (sub-cat 3)</td>
<td>3</td>
<td>C</td>
<td>See Biology Dept. for Rules</td>
</tr>
<tr>
<td></td>
<td>Minor</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2nd Major or Upper Division Elective</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2nd Major or Upper Division Elective</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Term Hours:</strong></td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term</th>
<th>Hours Towards Degree: 129</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minor</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2nd Major or Upper Division Elective</td>
<td>4</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2nd Major or Upper Division Elective</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2nd Major or Upper Division Elective</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective Any level</td>
<td>2</td>
<td>D-</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Term Hours:</strong></td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Crucial course:** A crucial course is a predictor for success in obtaining this degree. It should be taken in the term indicated in order to ensure timely progress to graduation.

### Degree Plan Notes
- Keep in mind that minimum grades on road map are for individual coursework only. Students must maintain a minimum of a 2.0 cumulative grade point average for admission to and graduation from the College of Arts and Sciences. Minimums listed for the individual courses do NOT meet the cumulative minimum.
- Eventhough any minor accepted by A&S can be paired with a Biology degree, the most efficient route is to declare a Chemistry minor. Please see an advisor for details.
- SWC = Supportive coursework. These courses are required by the major but can be used for other component requirements.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 130</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>PHIL 156</td>
<td>Reasoning &amp; Critical Thinking</td>
</tr>
<tr>
<td>ENGL 219</td>
<td>Tech &amp; Professional Writing</td>
</tr>
<tr>
<td>ENGL 220</td>
<td>Expository Writing</td>
</tr>
<tr>
<td>ENGL 219</td>
<td>Tech &amp; Professional Writing</td>
</tr>
<tr>
<td>ENGL 220</td>
<td>Expository Writing</td>
</tr>
<tr>
<td>PHIL 156</td>
<td>Reasoning &amp; Critical Thinking</td>
</tr>
<tr>
<td>CJ 130</td>
<td>Public Speaking</td>
</tr>
</tbody>
</table>