### B.S. Biological Sciences Academic Worksheet

**Biology Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductory Biology (8 credits)</td>
<td></td>
</tr>
<tr>
<td>BIO 101</td>
<td>_________ (4 credits)</td>
</tr>
<tr>
<td>BIO 102</td>
<td>_________ (4 credits)</td>
</tr>
<tr>
<td>Other BIO courses (27 credits, minimum)¹</td>
<td></td>
</tr>
<tr>
<td>Core BIO courses (4 courses required)</td>
<td></td>
</tr>
<tr>
<td>Core Area</td>
<td>Core courses</td>
</tr>
<tr>
<td>Plant biology course</td>
<td>_________ (___credits)</td>
</tr>
<tr>
<td>Animal biology course</td>
<td>_________ (___credits)</td>
</tr>
<tr>
<td>Lab courses (3)</td>
<td>_________ (___credits)</td>
</tr>
</tbody>
</table>

**BIO Electives* (balance of 27 credits)**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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</thead>
</table>

**Additional Science Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microbiology (4 credits)</td>
<td></td>
</tr>
<tr>
<td>MIC 211 or MIC 201</td>
<td></td>
</tr>
<tr>
<td>Chemistry (15 or 16 credits)</td>
<td></td>
</tr>
<tr>
<td>CHM 101, 102</td>
<td></td>
</tr>
<tr>
<td>CHM 112, 114</td>
<td></td>
</tr>
<tr>
<td>CHM 226, 227 and 228</td>
<td></td>
</tr>
<tr>
<td>OR CHM 124, 126 and BCH 311</td>
<td></td>
</tr>
<tr>
<td>Mathematics (6, 7 or 8 credits)</td>
<td></td>
</tr>
<tr>
<td>MTH 131 or MTH 141</td>
<td></td>
</tr>
<tr>
<td>MTH 132 or MTH 142 or STA 308</td>
<td></td>
</tr>
<tr>
<td>Physics (8 credits)</td>
<td></td>
</tr>
<tr>
<td>PHY 111, 185</td>
<td></td>
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<tr>
<td>PHY 112, 186</td>
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</tbody>
</table>

**General Education Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRT 104, 105 or 106</td>
<td></td>
</tr>
<tr>
<td>English Communication (1)</td>
<td></td>
</tr>
<tr>
<td>*Fine Arts/Literature (1 or 2)</td>
<td></td>
</tr>
<tr>
<td>*Letters (1 or 2)</td>
<td></td>
</tr>
<tr>
<td>*Language/Culture (1 or 2)</td>
<td></td>
</tr>
<tr>
<td>Social Science (2)</td>
<td></td>
</tr>
<tr>
<td>Natural Sciences (2)</td>
<td></td>
</tr>
<tr>
<td>Math (1)</td>
<td></td>
</tr>
</tbody>
</table>

**Free Electives (See Reverse)**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total - 120 required for graduation</td>
<td></td>
</tr>
</tbody>
</table>
Free Electives (Please list courses and credits below)

______________________________________________ (___ credits)
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______________________________________________ (___ credits)
______________________________________________ (___ credits)

Free Elective credits (transfer to other side) _____________________________
### B.S. BIOLOGICAL SCIENCES

#### FIRST YEAR FALL
- BIO 101 (4)
- CHM 101/102 or Gen Ed (3-4)
- MTH 111 or MTH 131 (3)
- Gen Ed (3-4)
- URI 101 (1)
- 15-16 credits

#### FIRST YEAR SPRING
- BIO 102 (4)
- CHM 112/114 or 101/102 (4)
- MTH 131, 132 or STA 308 (3)
- Gen Ed (3-4)
- 14-15 credits

#### SECOND YEAR FALL
- BIO core course (3-4)
- CHM 124/126 or 227 or 112/114 (4)
- Elective or MTH 132 or STA 308 (3-4)
- Gen Ed (3-4)
- Optional: Gen Ed or elective (3-4)*
- 14-17 credits

#### SECOND YEAR SPRING
- BIO core course (3-4)
- CHM 124/126 or 227 or 112/114 (4)
- MIC 201 or MIC 211 (4)
- Gen Ed (3-4)
- Optional: Gen Ed or elective (3-4)*
- 14-17 credits

#### THIRD YEAR FALL
- BIO core course* (3-4)
- PHY 111/185 (4)
- CHM 228/226 or BCH 311 (4 or 3-5)
- Gen Ed (3-4)
- Optional: elective (3-4)*
- 14-17 credits

#### THIRD YEAR SPRING
- BIO core course* (3-4)
- CHM 228/226 or BCH 311 (3-5)
- MIC 201 or MIC 211 (4)
- Gen Ed (3-4)
- Optional: elective (3-4)*
- 14-17 credits

#### FOURTH YEAR FALL
- BIO elective (3-4)
- BIO elective (3-4)
- Gen Ed (3-4)
- Elective (3-4)
- Optional: elective (3-4)*
- 14-17 credits

#### FOURTH YEAR SPRING
- BIO elective* (3-4)
- PHY 112/186 (4)
- BIO elective* (3-4)
- BIO elective or Gen Ed or elective (3-4)
- 14-17 credits

*Consider including when fewer than 15 credits total for other courses.

**Study abroad/full-time internship, substitute required courses for electives in other semesters.

### B.S. BIOLOGICAL SCIENCES--TRANSFER

#### SECOND YEAR FALL
- BIO 101 (4)
- CHM 101/102 (4)
- MTH 111 or MTH 131 (3)
- Gen Ed or elective (3-4)
- 14-15 credits

#### SECOND YEAR SPRING
- BIO 102 (4)
- CHM 112/114 (4)
- MTH 131, 132 or STA 308 (3)
- Gen Ed or elective (3-4)
- 14-15 credits

#### THIRD YEAR FALL
- BIO core course* (3-4)
- CHM 124/126 or 227 (3-4)
- MTH 132 or STA 308 or elective (3-4)
- BIO elective*, Gen Ed or elective (3-4)
- Optional: BIO elective*, Gen Ed or elective (3-4)**
- 14-17 credits

#### THIRD YEAR SPRING
- BIO core course* (3-4)
- CHM 124/126 or 227 or 112/114 (3-5)
- MIC 201 or MIC 211 (4)
- BIO elective*, Gen Ed or elective (3-4)
- Optional: BIO elective*, Gen Ed or elective (3-4)**
- 14-17 credits

#### FOURTH YEAR FALL
- BIO core course* (3-4)
- PHY 111/185 (4)
- BIO elective* (3-5)
- BIO elective*, Gen Ed or elective (3-4)
- Optional: BIO elective*, Gen Ed or elective (3-4)**
- 14-17 credits

#### FOURTH YEAR SPRING
- BIO core course* (3-4)
- PHY 112/186 (4)
- BIO elective* (3-4)
- BIO elective*, Gen Ed or elective (3 or 4)
- Optional: BIO elective*, Gen Ed or elective (3-4)**
- 14-17 credits

**Consider including when fewer than 15 credits total for other courses.

* A total of 27 credits of BIO core + electives is required (i.e. 9 X 3-credit courses, 7 X 4-credit courses, or a combination of 3 and 4 credit courses).