### Major Requirements (36-37 Hrs.)

**Core courses in Biology (16 hours)**

<table>
<thead>
<tr>
<th>Hrs</th>
<th>Grade</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>BIOL 2000 Biology Today</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>BIOL 2040 Concepts in Biology I</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>BIOL 2050 Concepts in Biology II</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>BIOL 3500 Genetics</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>BIOL 3510 Evolution</td>
</tr>
</tbody>
</table>

Complete courses required for the Specialization and Biology electives. Ensure that you have at least 10 hours of courses at the 4000 level.

### Ecology & Conservation Biology Specialization

Courses required (6 hours)

<table>
<thead>
<tr>
<th>Hrs</th>
<th>Grade</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td>BIOL 3540 Principles of Ecology</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>BIOL 4090 Conservation Biology</td>
</tr>
</tbody>
</table>

Electives - Complete 3 credit hours in each of the 4 groups, A-D

**Group A: Ecology & Conservation**

| 3   |       | BIOL 4100 Conservation Biology in Practice |
| 3   |       | BIOL 4160 Landscape Ecology                 |
| 3   |       | BIOL 4200 Animal Behavior                   |
| 3   |       | BIOL 4220 Restoration Ecology               |
| 3   |       | BIOL 4250 Limnology                         |
| 3   |       | BIOL 4290 Evolutionary Ecology              |
| 3   |       | BIOL 4450 Environmental Microbiology        |
| 3   |       | BIOL 4710 Sensory Ecology                   |
| 3   |       | ENVS 4120 Great Lakes Ecosystem             |

**Group B: Biodiversity**

| 4   |       | BIOL 3130 Microbiology                      |
| 3   |       | BIOL 3430 Botany                            |
| 3   |       | BIOL 3740 Marine Biology                    |
| 4   |       | BIOL 4050 Parapsylogy                       |
| 4   |       | BIOL 4140 Plant Taxonomy and Evolution      |
| 3   |       | BIOL 4270 Invertebrate Biology             |
| 3   |       | BIOL 4300 Wildlife Biology                 |
| 4   |       | BIOL 4350 Entomology                        |
| 3   |       | BIOL 4720 Ichthyology                      |
| 4   |       | BIOL 4730 Mammalogy                         |
| 3   |       | BIOL 4760 Herpetology                       |
| 3   |       | BIOL 4770 Ornithology                      |
| 3   |       | ENVS 4120 Great Lakes Ecosystem             |

**Group C: Cell, Molecular & Regulatory Biology**

| 4   |       | BIOL 4070 Cell Biology                     |
| 3   |       | BIOL 4080 Molecular Biology                |
| 4   |       | BIOL 4110 Animal Physiology                |
| 3   |       | BIOL 4180 Neurophysiology                  |
| 3   |       | BIOL 4210 Molecular Biotechnology          |
| 3   |       | BIOL 4310 Development Biology              |
| 4   |       | BIOL 4380 Endocrinology                    |
| 3   |       | BIOL 4390 Immunobiology                    |
| 3   |       | BIOL 4430 Microbial Physiology             |
| 4   |       | BIOL 4460 Imaging Electron Microscopy      |
| 3   |       | BIOL 4470 Microbial Genetics               |
| 3   |       | BIOL 4660 Genomics                         |

**Group D: Quantitative & Applied Science**

1-4 |       | BIOL 4010 Biological Research             |
1-3 |       | BIOL 4520 Aquatic Husbandry               |
1-3 |       | BIOL 4530 Amphibian & Reptile Husbandry   |
1   |       | BIOL 4540 Biology Learning Environment Tours |
3   |       | BIOL 4620 Principles of Biometry          |
1-3 |       | BIOL 4890 Biology Internship              |
3   |       | ENVS 3010 Environmental Problems          |
3   |       | ENVS 4020 Environmental Impact Statements  |
3   |       | SEE 3000 Geospatial Science               |

**Biology electives:** These courses do not meet group requirements, but do count toward the 10 hours of required courses at the 4000 level: BIOL 4500, 4700, 4900.
For Graduation You Will Need:

1. 122 credit hours minimum.
   - In Progress/Completed ________  Needed ________

2. Minimum GPA 2.00.
   - Current GPA ________

3. At least 30 credit hours of BGSU course work.
   - In Progress/Completed ________  Needed ________

4. 40 credit hours at the 3000/4000 level.
   - In Progress/Completed ________  Needed ________

5. Completion of all degree requirements, including the BG Perspective Core.
   - In Progress/Completed ________  Needed ________

6. A major, and if required, a minor, specialization or emphasis.
   - Declared with the College Office  ☐ Yes  ☐ No

Any substitution or waiver of courses required for your major or minor program must originate in the department/school offering the major or minor and must be approved by the College Office.

To ensure a timely graduation, see a College Advisor during the semester prior to your intended graduation.

Remember to complete an Application for Graduation by the end of the second week of classes during the fall semester or spring regular session, or by the end of the first week of the summer semester. For the specific dates, check your DARS. You may log onto MyBGSU to complete the online application. After the deadlines, you will need to complete an application in person in the College Office.