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

Core courses in Biology (16 hours)

<table>
<thead>
<tr>
<th>Hrs</th>
<th>Course</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>BIOL 2000 Biology Today</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>BIOL 2040 Concepts in Biology I</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>BIOL 2050 Concepts in Biology II</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>BIOL 3500 Genetics</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BIOL 3510 Evolution</td>
<td></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>Course</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>BIOL 3540 Principles of Ecology</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BIOL 4090 Conservation Biology OR BIOL 4100 Conservation Biology in Practice*</td>
<td></td>
</tr>
</tbody>
</table>

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

Group A: Ecology & Conservation

- BIOL 4090 Conservation Biology
- BIOL 4100 Conservation Biology in Practice*

Group B: Biodiversity

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

Group C: Cell, Molecular & Regulatory Biology

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

Group D: Quantitative & Applied Science

- BIOL 4010 Biological Research
- BIOL 4540 Biology Learning Environment Tours
- BIOL 4620 Principles of Biometry
- BIOL 4890 Biology Internship
- ENVS 3010 Environmental Problems
- ENVS 4020 Environmental Impact Statements
- SEES 3000 Geospatial Science

*Note: BIOL 4090 and BIOL 4100 may not count in both the Required Courses or in Group A of Electives.

**Biology electives:** These courses do not meet group requirements, but do count toward the 10 hours of required courses at the 4000 level: BIOL 4560, 4700, 4800
A maximum of 5 credit hours from the following courses may be included in the required 10 credit hours of 4000-level Biology required for the major: BIOL 4010, 4520, 4530, 4540, 4890. These courses may be repeated.

**Minor Requirements:** A “general science” minor is offered to students in place of a conventional minor. Consult your Faculty Advisor. (A conventional minor may also be chosen, usually 20 hours, no Biology courses can be used.)

**Additional Biology Required Courses: Chemistry & Physics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Equivalent Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Chemistry I</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 1230 General Chemistry I</td>
<td>4</td>
<td>OR</td>
</tr>
<tr>
<td>CHEM 1240 General Chemistry I Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CHEM 1350 General Chemistry w/Lab</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td><strong>General Chemistry II</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 1270 or CHEM 1370 General Chemistry</td>
<td>4</td>
<td>OR</td>
</tr>
<tr>
<td>CHEM 1280 or CHEM 1380 Gen Chemistry Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Organic Chemistry</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 3060 or CHEM 3410 Organic Chemistry</td>
<td>4-5</td>
<td></td>
</tr>
<tr>
<td><strong>Physics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 2010 College Physics I OR</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>PHYS 2110 University Physics I</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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 □ □

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.