### Major Requirements

**Hrs** | **Grade** | **Course**
---|---|---
1 |  | BIOL 2000 Biology Today
4 |  | BIOL 2040 Concepts in Biology I
4 |  | BIOL 2050 Concepts in Biology II
4 |  | BIOL 3130 Microbiology
3 |  | BIOL 3510 Evolution

16 hours of BIOL electives including

10 hours from the following:

- BIOL 4000 Special Topics in Biology (up to 3 hrs. in Microbiology Topics with Faculty Advisor approval)
- BIOL 4010 Introduction to Biological Research (up to 2 hours with faculty advisor approval)
- BIOL 4080 Molecular Biology
- BIOL 4210 Molecular Biotechnology
- BIOL 4260 Principles of Biometry
- BIOL 4290 Microbiology
- BIOL 4420 Virus and Plasmid Biology
- BIOL 4430 Microbial Physiology
- BIOL 4450 Environmental Microbiology
- BIOL 4470 Ornithology
- BIOL 4490 Epidemiology
- BIOL 4660 Scanning Electron Microscopy

6 remaining hours from above or from:

- BIOL 4050 General Parasitology
- BIOL 4070 Cell Biology
- BIOL 4370 Light Microscopes and 3D Imaging
- BIOL 4460 Scanning Electron Microscopy
- BIOL 4480 Molecular Evolution

**OR with Faculty Advisor approval**

- BIOL 4000 Special Topics in Biology
- BIOL 4010 Introduction to Biological Research
- BIOL 4020 Honors Thesis
- BIOL 4700 Readings in Biological Sciences
- BIOL 4890 Biology Internship
- BIOL 4900 Seminar

---

### Arts & Sciences Requirements

#### Foreign Language

<table>
<thead>
<tr>
<th><strong>Yrs of HS</strong></th>
<th><strong>Hrs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1010</td>
</tr>
<tr>
<td></td>
<td>1020</td>
</tr>
<tr>
<td></td>
<td>2010</td>
</tr>
<tr>
<td></td>
<td>2020/2120</td>
</tr>
</tbody>
</table>

#### Lab Science

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Quantitative Literacy

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EITHER MATH 1310 OR MATH 1340 &amp; MATH 1350</td>
</tr>
</tbody>
</table>

#### Multidisciplinary Component

Select from approved offerings, in consultation with an advisor and a faculty mentor. Four courses total, each with a different subject prefix. At least two courses at 3000/4000 level. Courses applied to the Arts & Sciences MDC may not be used to fulfill other Arts and Sciences degree requirements, nor may they be used to fulfill major, minor, BGP or other program requirements.

---

### Additional Required Courses: Chemistry & Physics

#### General Chemistry I

<table>
<thead>
<tr>
<th><strong>Hrs</strong></th>
<th><strong>Course</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>CHEM 1230 General Chemistry I and CHEM 1240 General Chemistry I Lab OR</td>
</tr>
<tr>
<td>1</td>
<td>CHEM 1350 General Chemistry w/lab</td>
</tr>
</tbody>
</table>

#### General Chemistry II

<table>
<thead>
<tr>
<th><strong>Hrs</strong></th>
<th><strong>Course</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>CHEM 1270 or 1370 General Chemistry II</td>
</tr>
<tr>
<td>1</td>
<td>CHEM 1280 or 1380 General Chemistry II Lab</td>
</tr>
</tbody>
</table>

#### Organic Chemistry

<table>
<thead>
<tr>
<th><strong>Hrs</strong></th>
<th><strong>Course</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>4-5</td>
<td>CHEM 3060 Basic Organic Chemistry OR CHEM 3410 Organic Chemistry</td>
</tr>
</tbody>
</table>

#### Physics

<table>
<thead>
<tr>
<th><strong>Hrs</strong></th>
<th><strong>Course</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>PHYS 2010 College Physics I OR PHYS 2110 University Physics I</td>
</tr>
<tr>
<td>5</td>
<td>PHYS 2020 College Physics II OR PHYS 2120 University Physics II</td>
</tr>
</tbody>
</table>

CS 1000, CS 1010, or IS 2000 recommended

CHEM 2010, CHEM 3080 & 3090 or CHEM 4450 & 4470 are also recommended, particularly for those minoring in chemistry.

Please see second page for additional information.
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.