**BIOSC #** | **Cr** | **Grade** | **Notes**
--- | --- | --- | ---
005× Intro Bio Lab I | 1 | | 
006× Intro Bio Lab II | 1 | | 
0150 Intro Bio I (UHC0715) | 3 | | 
0160 Intro Bio II (UHC0716) | 3 | | 
0350 Genetics | 3 | | 
0370 Ecology | 3 | | 
0390 Ecol. Lab (F, Sm) | 1 | | 
1000* Biochemistry | 3 | | 
1130 Evolution (Sp only) | 3 | | 
1320 Pop. Bio (F only) | 3 | | 
Ple Field Course* | 3 | | 
Elective | 3 | | 
0391 • 1551# (WRIT) | 1 | | 
1550 Sr. Sem. (Sp only) | 1 | | 

**TOTAL**

**Foundational Skills Requirements**

- Wrkshp Comp _____
- Sem in Comp _____
- Writ #1___________
- Writ #2 (in BIOSC)
- Algebra ___________
- Formal Reas. ______

**General Education Requirements**

- Lit ________________________________
- The Arts ___________________________
- 2nd Lit/Arts or CEX ____________________
- Phil _________________________________
- Soc Sci _____________________________
- Hist ________________________________
- Natural Sciences **Fulfilled by Major**
- 2nd Lang. ___________________________
- IFC 1 ________________________________
- IFC 2 ________________________________
- IFC 3 ________________________________
- IFC Non-Western _______________________

Any Non-Western course fills 2 Disciplinary Approach requirements - itself and one other.

**CO-REQUISITES for major (Chem, Math, Phys):**

**CHEM #** | **Cr** | **Grade** | **Notes**
--- | --- | --- | ---
0110 Gen 1 | 4 | | 
0120 Gen 2 | 4 | | 
0310 Org 1 | 3 | | 
0320 Org 2 | 3 | | 
0345 Org Lab | 2 | | 

**MATH #** | **Cr** | **Grade** | **Notes**
--- | --- | --- | ---
0220 Calc 1 | 4 | | 
2nd: | 4 | | 

2nd math options: MATH 0230, STAT 1000+
+ STAT 0200 is not useable for the major.

**PHYS #** | **Cr.** | **Grade** | **Notes**
--- | --- | --- | ---
0110 (alg) | 3 | | 
0111 (alg) | 3 | | 
0174 (calc) | 4 | | 
0175 (calc) | 4 | | 
0212 or 0219 (lab)2 | | | 

Take one sequence (alg OR calc). Lab is not needed for degree but required for medical schools and some graduate schools.

**Date** | **Co-req. GPA** | **BIOSC GPA**
--- | --- | ---

Need 120 credits TOTAL for any Bachelor’s Degree

**Notes about Grades:**

- You must earn a grade of ‘C’ or better (Not ‘C-’) in your 32 credits of Biology courses for the BIOSC major.
- You must average a 2.0 GPA in your co-req courses (chem, math, phys) and your related area (chem) courses.

****See back for additional details.****
More About Electives

For BIOSC electives to complete major, get a Course List in Langley A258 or look online at:
biology.pitt.edu/undergraduate/courses

Up to 3 credits of the following may be also used as upper division electives for the E&E major: NROSCI 1000, 1003 (UHC), 1020, 1012/17, 1045 (UHC), ANTH 1601–1607, 1609, 1611, 1615, 1618.

BIOSC 1690, 1901-1904, 1906, 1907 are not useable as elective credits for the major.

To complete Ecology & Evolution major:
--- Select at least 1 field course and an additional 3-credit BIOSC elective.

### PLE Field Course List

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1040</td>
<td>Aquatic Ecosystem</td>
<td>3</td>
</tr>
<tr>
<td>1140</td>
<td>Behavioral Ecology</td>
<td>3</td>
</tr>
<tr>
<td>1160</td>
<td>Forest Ecology</td>
<td>3</td>
</tr>
<tr>
<td>1170</td>
<td>Freshwater Ecology</td>
<td>3</td>
</tr>
<tr>
<td>1180</td>
<td>Ecol. of Amphibians and Reptiles</td>
<td>3</td>
</tr>
<tr>
<td>1190</td>
<td>Aquatic Entomology</td>
<td>3</td>
</tr>
<tr>
<td>1220</td>
<td>Ecological Field Studies (topics vary)</td>
<td>3</td>
</tr>
<tr>
<td>1230</td>
<td>Ornithology</td>
<td>3</td>
</tr>
<tr>
<td>1260</td>
<td>Aquatic Botany</td>
<td>3</td>
</tr>
<tr>
<td>1270</td>
<td>Ecology of Fish</td>
<td>3</td>
</tr>
<tr>
<td>1300</td>
<td>Vertebrate Community Ecology</td>
<td>3</td>
</tr>
<tr>
<td>1310</td>
<td>Wetland Ecology &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>1330</td>
<td>Field Botany</td>
<td>3</td>
</tr>
<tr>
<td>1340</td>
<td>Field Entomology</td>
<td>3</td>
</tr>
<tr>
<td>1360</td>
<td>Ecology of Fungi</td>
<td>3</td>
</tr>
<tr>
<td>1390</td>
<td>Field Techniques in Eco &amp; Conservation</td>
<td>3</td>
</tr>
<tr>
<td>1400</td>
<td>Disease Ecology</td>
<td>3</td>
</tr>
<tr>
<td>1410</td>
<td>Vertebrate Ecology</td>
<td>3</td>
</tr>
<tr>
<td>1420</td>
<td>Wildlife Management</td>
<td>3</td>
</tr>
<tr>
<td>1430</td>
<td>Ecophysiology</td>
<td>3</td>
</tr>
<tr>
<td>1600</td>
<td>Stream Ecology</td>
<td>3</td>
</tr>
<tr>
<td>1610</td>
<td>Conservation Biology</td>
<td>3</td>
</tr>
</tbody>
</table>

Or other field course pre-approved by the Department.

### Departmental WRIT Practica Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>0391</td>
<td>Ecology Lab Writ Prac</td>
</tr>
<tr>
<td>1551</td>
<td>Ecology &amp; Evolution Seminar Writ Prac</td>
</tr>
</tbody>
</table>

Either of these two courses satisfies the WRIT Requirement for E&E Majors when taken along with the lab or seminar:

- 0391 Ecology Lab Writ Prac
- 1551 Ecology & Evolution Seminar Writ Prac

### These W courses are restricted to other Bio majors:

- 1010 Communicating in the Biological Sciences
- 1291 Microbial Genetics Lab Writ Prac
- 1511 Cell Biology Laboratory Writ Prac
- 1531 Developmental Biology Lab Writ Prac
- 1561 Cell & Developmental Bio Seminar Writ Prac
- 1571 Microbiology Seminar Writ Prac
- 1581 Biochemistry Seminar Writ Prac
- 1741 Virology Laboratory Writ Prac
- 1831 Biochemistry Laboratory Writ Prac
- 1861 Microbiology Laboratory Writ Prac
- 1951 Molecular Genetics Laboratory Writ Prac

### Grade and GPA Requirements:

a) **You must have a grade of “C” or better in your 32 credits of Biology courses for the BIOSC major** - this means no C- in a BIOSC course can be used for the major. However, a C- can count towards your total 120 credits for the bachelor's degree, and is averaged into your BIOSC GPA.

b) **AND an overall BIOSC GPA (32 plus any extra BIOSC credits) of 2.0 or better.**

c) **AND your corequisite GPA (chem, math, phys) must average to 2.0 or better.** [Thus, a grade lower than C in Math, Chemistry or Physics can be used if the co-req GPA still averages to 2.0. See exceptions below.]

d) **Exceptions:**
   a. Students must pass CHEM 0110 and CHEM 0120 with a grade of C (not C-) or better for the major.
   b. Students must pass PHYS 0110 with a grade of C (not C-) or better to enroll in PHYS 0111.
   c. Students must pass MATH 0220 with a grade of C (not C-) or better to enroll in MATH 0230.

e) **AND your related area GPA (chemistry courses) must average to 2.0.**

f) **To receive the chemistry minor, you must earn at least a 2.0 average GPA in the corequisite chemistry courses and BIOSC 1000/1810, AND at least half of the chemistry credits must be earned at the Pittsburgh Campus. Only CHEM 0110 and CHEM 0120 can be taken on a S/NC basis, all other classes for the chemistry minor need to be taken for a letter grade.**

---

**Calculating your GPA - The Bio advisors have a GPA calculator spreadsheet – ask and we’ll send it to you.**

**OR for instructions on how to calculate your GPA, go to:** asundergrad.pitt.edu/advising-center/gpa-calculator