BIOLOGY MAJOR
Wildlife and Environmental Biology Concentration

This worksheet is a guide to supplement your degree audit in Degree Works. All students need 32 FSU course-credits to graduate. For students who change majors or enter FSU with transfer credits your degree audit may appear differently, as previous coursework could fulfill Domains and Free Electives. Please see your Advisor and/or The Advising Center with any questions.

DOMAIN GENERAL EDUCATION (11 Courses Required):
The FSU General Education program consists of 11 requirements. In the Biology major Domain II-B is satisfied through completion of the major (X). One (1) additional subdomain is met by a specific course in the major (see below), leaving nine (9) courses to be completed to satisfy the remaining General Education subdomains through courses taken outside the major department. Only courses designated (Gen. Ed. Domain) after the course title will meet General Education requirements. Please refer to the catalog (p. 256) for full information.

**Common Core**
A. ENWR 110 Composition II
B. MATH/STAT XXX (credit-bearing): MATH 180*

**Domain I**
A. Creative Arts: _______________________
B. Humanities: _______________________
C. Language: _______________________

**Domain II**
A. Analysis, Modeling, Problem-Solving
B. Natural Sciences (2): Non-Lab Science: _______________________
X Lab Science

**Domain III**
A. Perspectives on the Past: _______________________
B. Perspectives on Contemporary World: _______________________
C. Global Competency, Ethical Reasoning, and/or Human Diversity: _______________________

X = Fulfilled through completion of major
* = Required course in the major

MAJOR COURSES (19):

**Required Core Courses (11):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 125</td>
<td>The Biology Experience</td>
</tr>
<tr>
<td>BIOL 135/135L</td>
<td>Foundations of Biological Science with Lab</td>
</tr>
<tr>
<td>BIOL 208/208L</td>
<td>Genetics with Lab</td>
</tr>
<tr>
<td>BIOL 230</td>
<td>Professional Communication in Biology</td>
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<tr>
<td>BIOL 262/262L</td>
<td>Molecular Biology with Lab</td>
</tr>
<tr>
<td>BIOL 402</td>
<td>Processes of Organic Evolution</td>
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<tr>
<td>CHEM 107/107L</td>
<td>Principles of Chemistry with Lab</td>
</tr>
<tr>
<td>CHEM 108/108L</td>
<td>Principles of Chemistry and Quantitative</td>
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<tr>
<td></td>
<td>Analysis with Lab</td>
</tr>
<tr>
<td></td>
<td>Organic Chemistry I with Lab</td>
</tr>
<tr>
<td>MATH 180*</td>
<td>Precalculus* (CC-B) **</td>
</tr>
<tr>
<td></td>
<td>Statistics</td>
</tr>
<tr>
<td>or ENVS 202</td>
<td>Data Analysis for Scientists</td>
</tr>
</tbody>
</table>

* = Required course in the major
** = Fulfills a General Education requirement.

**Required Capstone Course (1):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 460</td>
<td>Research Experience in Biology**</td>
</tr>
</tbody>
</table>

** = An original research project is required of all Biology Majors. Prior to enrollment in BIOL469 Research Experience in Biology, the student should meet with their academic advisor and with other Biology faculty to tailor the research project to the student’s interests and career goals.

Wildlife and Environmental Biology Concentration (7):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 344/344L</td>
<td>Animal Physiological Ecology with Lab</td>
</tr>
<tr>
<td>BIOL 248/248L</td>
<td>Principles of Ecology with Lab</td>
</tr>
<tr>
<td>BIOL 251/251L</td>
<td>Vascular Plant Taxonomy with Lab</td>
</tr>
<tr>
<td>BIOL 335/335L</td>
<td>Principles of Wildlife Biology with Lab</td>
</tr>
</tbody>
</table>

One (1) Course from Group A (see below)

One (1) Course from Group B (see below)

Continued on next page
**BIOLOGY MAJOR**
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One (1) Course from Group D (see below)

*Note: Students interested in certification by The Wildlife Society should meet with the program advisor when choosing electives*

Recommended courses – not required but would be useful for students in this concentration include the following:

- CHEM 300/300L  Principles of Biochemistry with Lab
- EASC 118  Oceanography
- GEOG 216  Introduction to Geographical Information Systems (GIS)
- GEOG 235  Environmental Law and Policy
- GEOG 240  Municipal Land Use
- GEOG 375  Resource Management
- PHYS 201/201L  Physics for Earth and Life Scientists with Lab
- POSC 329  Public Policy Analysis

**FREE ELECTIVES (1-4): May be used toward the recommended courses above**

Group B: Organismal Diversity Electives
- BIOL 203  Plants and Society*
- BIOL 212/212L  Wildlife Specimen Preparation Techniques
- BIOL 232/232L  Invertebrate Zoology with Lab
- BIOL 236/236L  Ornithology with Lab
- BIOL 251/251L  Vascular Plant Taxonomy with Lab
- BIOL 320/320L  Animal Behavior with Lab
- BIOL 323  Biology and Conservation of Crocodiles

* This course may not be used as a required plant course.

Group D: Ecological and Evolutionary Biology Electives
- BIOL 233/233L  Comparative Vertebrate Anatomy with Lab
- BIOL 248/248L  Principles of Ecology with Lab
- BIOL 291  Principles of Tropical Ecology and Conservation: Field Study
- BIOL 321/321L  Limnology with Lab
- BIOL 335/335L  Principles of Wildlife Biology with Lab
- BIOL 341/341L  Marine Biology with Lab
- BIOL 393  Wildlife Management and Conservation Topics

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Group A: Cellular and Molecular Biology Electives
- BIOL 218/218L  Introduction to Bioinformatics with Lab
- BIOL 228/228L  Microbiology with Lab
- BIOL 260/260L  Cellular Biology with Lab
- BIOL 356  Biology of Cancer
- BIOL 381  Theories of Infectious Diseases
- BIOL 400  Trends in Biotechnology
- BIOL 426  Human Immunity
- BIOL 432  Vertebrate Development
- CHEM 300/300L  Principles of Biochemistry with Lab
  or CHEM 301/301L  Biochemistry I with Lab

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