Fish, Wildlife and Conservation Biology emphasizes the ecology, conservation, and sustainable management of fish and wildlife species and communities. It is designed for students interested in understanding interactions among humans, wild animals, and their habitats. The concentration includes coursework in conservation of threatened and endangered species, management of harvested species, aquatic ecosystem conservation, animal behavior, vertebrate natural history, identification of animals and plants, and advanced ecology.

**Prescribed Courses including Campus General Education**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHET 105</td>
<td>Writing and Research and Public Speaking (or equivalent)</td>
<td>6-7</td>
</tr>
<tr>
<td>CMN 101</td>
<td>Oral &amp; Written Comm I and Oral &amp; Written Comm II</td>
<td></td>
</tr>
<tr>
<td>CMN 111</td>
<td>Oral &amp; Written Comm I and Oral &amp; Written Comm II</td>
<td></td>
</tr>
</tbody>
</table>

**Composition I and Speech**

Select one of the following:

- RHET 105 Writing and Research and Public Speaking (or equivalent) (see College Composition I requirement)
- CMN 111 Oral & Written Comm I and CMN 112 Oral & Written Comm II

**Advanced Composition**

Select from campus approved list

- 3-4

**Cultural Studies**

Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.

- 9

**Foreign Language**

Coursework at or above the third level is required for graduation.

**Quantitative Reasoning I**

Select one of the following:

- MATH 220 Calculus
- MATH 221 Calculus I
- MATH 234 Calculus for Business I

**Quantitative Reasoning II**

Select one of the following:

- ACE 261 Intro to Applied Statistics
- CPSC 241 Intro to Applied Statistics
- ECON 202 Economic Statistics I
- PSYC 235 Intro to Statistics
- SOC 280 Intro to Social Statistics
- STAT 100 Statistics

**Natural Sciences and Technology**

- CHEM 102 General Chemistry I
- CHEM 103 General Chemistry Lab I
- CHEM 104 General Chemistry II
- CHEM 105 General Chemistry Lab II
- IB 103 Introduction to Plant Biology

Select one of the following:

- IB 104 Animal Biology
- IB 150 Organismal & Evolutionary Biol & IB 151 Organismal & Evol Biol Lab

Select one of the following:

- GGIS 103 Earth’s Physical Systems
- GEOL 107 Physical Geology
- PHYS 101 College Physics: Mech & Heat
- PHYS 211 University Physics: Mechanics
- MCB 100 Introductory Microbiology

**Humanities and the Arts**

Select from campus approved list.

- 6

**Social and Behavioral Sciences**

Select one additional course from campus approved list.

- 3-4

**Natural Resources and Environmental Sciences Required (Core)**

- NRES 102 Introduction to NRES
- NRES 201 Introductory Soils
- NRES 219 Applied Ecology
- NRES 287 Environment and Society
- NRES 325 Natural Resource Policy Mgmt
- NRES 348 Fish and Wildlife Ecology
- NRES 421 Quantitative Methods in NRES
- NRES 454 GIS in Natural Resource Mgmt
- NRES 456 Integrative Ecosystem Management
- NRES 285 Field Experience
- One additional Field Experience course

**ACES Required**

- ACE 100 Introduction to Applied Microeconomics
- ECON 102 Microeconomic Principles
- ACE 201 Contemporary Issues in ACES

**Required Concentration**

Concentration prescribed courses. See specific requirements for each concentration listed below.

**Total Hours**

- 126

**Code**

**Title**

**Concentration Core Requirements**

- NRES 407 Wildlife Population Ecology
- NRES 409 Fishery Ecol and Conservation

**Concentration Elective Requirements**

One Organismal Biology/Identification Course

- IB 461 Ornithology
- IB 462 Mammalogy
Sample Sequence

This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may impact the structure of this four-year plan. Course availability is not guaranteed during the semester indicated in the sample sequence.

Students must fulfill their Language Other Than English requirement by successfully completing a third level of a language other than English. NRES 287, Environment and Society course does not count toward the social science general education requirement. Students must take 3 hours above and beyond this course to meet the social and behavioral sciences requirement. For more information, see the corresponding section on the Degree General and Education Requirements page (http://catalog.illinois.edu/general-information/degree-general-education-requirements/).

First Year
<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
<th>Second Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRES 102</td>
<td>3</td>
<td>CHEM 102</td>
</tr>
<tr>
<td>ACES 101</td>
<td>2</td>
<td>CHEM 103</td>
</tr>
<tr>
<td>RHET 105 or CMN 101</td>
<td>4</td>
<td>CMN 101 or RHET 105</td>
</tr>
<tr>
<td>IB 104 or 150 and 151</td>
<td>4</td>
<td>MATH 234</td>
</tr>
<tr>
<td>Language Other than English (3rd level)</td>
<td>4</td>
<td>IB 103</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

Second Year
<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
<th>Second Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRES 219</td>
<td>3</td>
<td>NRES 287</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

Third Year
<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
<th>Second Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRES 454</td>
<td>4</td>
<td>NRES 325</td>
</tr>
<tr>
<td>NRES 348</td>
<td>3</td>
<td>NRES 421</td>
</tr>
<tr>
<td>Field Experience course</td>
<td>2</td>
<td>NRES 407</td>
</tr>
<tr>
<td>Free Elective course</td>
<td>3</td>
<td>General Education course</td>
</tr>
<tr>
<td>General Education course</td>
<td>3</td>
<td>General Education course</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

Fourth Year
<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hours</th>
<th>Second Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRES 285</td>
<td>1</td>
<td>NRES 456</td>
</tr>
<tr>
<td>NRES 409</td>
<td>4</td>
<td>Specialization course</td>
</tr>
<tr>
<td>Organismal Biology/ Identification course</td>
<td>4</td>
<td>Plant Classification/ Identification course</td>
</tr>
<tr>
<td>General Education course</td>
<td>3</td>
<td>Free Elective course</td>
</tr>
<tr>
<td>Free Elective course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 126

for the degree of Bachelor of Science Major in Natural Resources & Environmental Sciences, Fish, Wildlife & Conservation Biology Concentration

Natural Resources & Environmental Sciences
Natural Resources & Environmental Sciences Website (https://nres.illinois.edu)
W-503 Turner Hall
1102 S. Goodwin Ave.
Urbana, IL 61801
217-333-2770
Email: nres@illinois.edu

College of Agricultural, Consumer & Environmental Sciences
College of Agricultural, Consumer & Environmental Sciences Website (https://aces.illinois.edu/)

ACES Office of Academic Programs
128 Mumford Hall
1301 West Gregory Drive
Urbana, IL 61801

Advising
Phone: 217-244-3219
Email: nres-ssc@illinois.edu (http://catalog.illinois.edu/undergraduate/aces/natural-resources-environmental-sciences-bs/fish-wildlife-conservation-biology/nres-ssc@illinois.edu)
Advising Website (https://nres.illinois.edu/academics/undergraduate-degree/academic-resources/)

Information listed in this catalog is current as of 10/2023