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.

Information listed in this catalog is current as of 08/2022
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 107</td>
<td>Physical Geology</td>
<td></td>
</tr>
<tr>
<td>PHYS 101</td>
<td>College Physics: Mech &amp; Heat</td>
<td></td>
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<tr>
<td>PHYS 211</td>
<td>University Physics: Mechanics</td>
<td></td>
</tr>
<tr>
<td>MCB 100</td>
<td>Introductory Microbiology</td>
<td></td>
</tr>
</tbody>
</table>

**Humanities and the Arts**
Select from campus approved list. 6

**Social and Behavioral Sciences**
ACE 100  Introduction to Applied Microeconomics 3-4
or ECON 102  Microeconomic Principles

Select one additional course from campus approved list. 3-4

**Natural Resources and Environmental Sciences Required (Core)**
NRES 102  Introduction to NRES 3
NRES 201  Introductory Soils 4
NRES 219  Applied Ecology 3
NRES 287  Environment and Society 3
NRES 325  Natural Resource Policy Mgmt 3
NRES 348  Fish and Wildlife Ecology 3
NRES 421  Quantitative Methods in NRES 3
NRES 454  GIS in Natural Resource Mgmt 4
NRES 456  Integrative Ecosystem Management 3
NRES 285  Field Experience 1,2

One additional Field Experience course 1-2

NRES 285  Field Experience (repeatable)
NRES 293  Professional Internship
NRES 294  Resident Internship
NRES 295  Undergrad Research or Thesis
NRES 396  UG Honors Research or Thesis

**ACES Required**
ACES 101  Contemporary Issues in ACES 2

**Required Concentration**
Concentration prescribed courses. See specific requirements for each concentration listed below. 19-29

**Total Hours**
126

**Code**  
**Title**  
**Hours**

**Concentration Core Requirements**
NRES 407  Wildlife Population Ecology 4
NRES 409  Fishery Ecol and Conservation 4

**Concentration Elective Requirements**
One Organismal Biology/Identification Course 4
IB 461  Ornithology
IB 462  Mammalogy
IB 463  Ichthyology
IB 464  Herpetology

One Specialization Course 3-4
NRES 362  Ecology of Invasive Species
NRES 418  Wetland Ecology & Management
NRES 419  Env and Plant Ecosystems
NRES 420  Restoration Ecology
NRES 429  Aquatic Ecosystem Conservation
NRES 465  Landscape Ecology
NRES 485  Stream Ecosystem Management
IB 329  Animal Behavior
IB 451  Conservation Biology

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### One Plant Classification/Identification Course

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>NRES 302</td>
<td>Dendrology</td>
</tr>
<tr>
<td>NRES 415</td>
<td>Native Plant ID and Floristics</td>
</tr>
<tr>
<td>HORT 301</td>
<td>Plant Systematics</td>
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</tbody>
</table>

**Total Concentration-Required Hours**: 19-20

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

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**department website**: https://nres.illinois.edu/

**department faculty**: https://nres.illinois.edu/directory/faculty (https://nres.illinois.edu/directory/faculty/)

**overview of college admissions & requirements**: Agricultural, Consumer & Environmental Sciences (http://catalog.illinois.edu/schools/aces/academic-units/#text)

**college website**: https://aces.illinois.edu/

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