NATURAL RESOURCES & ENVIRONMENTAL SCIENCES: FISH, WILDLIFE & CONSERVATION BIOLOGY, BS

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

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/

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.

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Prescribed Courses including Campus General Education

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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Composition I and Speech
Select one of the following: 6-7
  RHET 105 Writing and Research
  & CMN 101 and Public Speaking (or equivalent) (see College Composition I requirement)
  CMN 111 Oral & Written Comm I
  & CMN 112 and 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: 4-5
  MATH 220 Calculus
  MATH 221 Calculus I
  MATH 234 Calculus for Business I

Quantitative Reasoning II
Select one of the following: 3-4

ACE 261 Applied Statistical Methods
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 and General Chemistry Lab I
CHEM 104 General Chemistry II
& CHEM 105 and General Chemistry Lab II
IB 103 Introduction to Plant Biology 4
Select one of the following: 4-5
  IB 104 Animal Biology
  or IB 150 Organismal & Evolutionary Biol & IB 151 and Organismal & Evol Biol Lab

Select one of the following: 3-5
  GEOG 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
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.
Total Hours 126

Information listed in this catalog is current as of 12/2020
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<tr>
<th>Code</th>
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<tbody>
<tr>
<td></td>
<td><strong>Concentration Core Requirements</strong></td>
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<tr>
<td>NRES 407</td>
<td>Wildlife Population Ecology</td>
<td>4</td>
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<tr>
<td>NRES 409</td>
<td>Fishery Ecol and Conservation</td>
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<td><strong>Concentration Elective Requirements</strong></td>
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<tr>
<td></td>
<td>One Organismal Biology/Identification Course</td>
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<tr>
<td>IB 461</td>
<td>Ornithology</td>
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<td>IB 462</td>
<td>Mammalogy</td>
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<td>IB 463</td>
<td>Ichthyology</td>
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<td>IB 464</td>
<td>Herpetology</td>
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<td></td>
<td>One Specialization Course</td>
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<tr>
<td>NRES 362</td>
<td>Ecology of Invasive Species</td>
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<td>NRES 418</td>
<td>Wetland Ecology &amp; Management</td>
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<td>NRES 419</td>
<td>Env and Plant Ecosystems</td>
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<td>NRES 420</td>
<td>Restoration Ecology</td>
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<td>NRES 429</td>
<td>Aquatic Ecosystem Conservation</td>
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<td>NRES 465</td>
<td>Landscape Ecology</td>
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<td>NRES 485</td>
<td>Stream Ecosystem Management</td>
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<tr>
<td>IB 329</td>
<td>Animal Behavior</td>
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<tr>
<td>IB 451</td>
<td>Conservation Biology</td>
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<td></td>
<td>One Plant Classification/Identification Course</td>
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<tr>
<td>NRES 302</td>
<td>Dendrology</td>
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<td>NRES 415</td>
<td>Native Plant ID and Floristics</td>
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<td>HORT 301</td>
<td>Woody Landscape Plants</td>
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<tr>
<td>IB 335</td>
<td>Plant Systematics</td>
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<td><strong>Total Concentration-Required Hours</strong></td>
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