

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

or 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>
 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

Code	Title	Hours
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	4
& CHEM 103	and General Chemistry Lab I	
CHEM 104	General Chemistry II	4
& CHEM 105	and General Chemistry Lab II	
IB 103	Introduction to Plant Biology	4
Select one of the following:		4-5
IB 150	Organismal & Evolutionary Biol	
& IB 151	and Organismal & Evol Biol Lab	
or IB 104 Animal Biology		
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	Agr Cons and Resource Econ	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	Principles of Ecosystem Mgmt	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	
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	
IB 329	Animal Behavior	
IB 451	Conservation Biology	
One Plant Classification/Identification Course		4
NRES 302	Dendrology	
NRES 415	Native Plant ID and Floristics	
HORT 301	Woody Landscape Plants	
IB 335	Plant Systematics	
Total Concentration-Required Hours		19-20