

FISHERIES AND WILDLIFE MANAGEMENT, BS

Program Description

Fisheries and Wildlife Management programs place a strong emphasis on understanding the relationship between organisms and their habitats by blending a conceptual understanding of fish and wildlife ecology and population dynamics with practical skills obtained during laboratory and field exercises. Students graduating from this rigorous, applied curriculum can meet the qualifications of state and federal natural resource management agencies as technicians and biologists.

Program Learning Outcomes

- **Scientific Literature** – Students in the Fisheries and Wildlife Management program will thoroughly research and synthesize the primary literature for information relevant to a current scientific investigation.
- **Scientific Investigation** – Students in the Fisheries and Wildlife Management program will design and conduct a scientific investigation of a testable hypothesis or methodology using appropriate tools and techniques.
- **Communication** – Students in the Fisheries and Wildlife Management program will effectively communicate the results or outcomes of their scientific investigation in multiple formats.
- **External Validity** – Graduates of the Fisheries and Wildlife Management concentrations will be prepared to meet certification requirements of the American Fisheries Society or The Wildlife Society.
- **Professionalism** – Graduates of the Fisheries and Wildlife Management program will have developed and demonstrate a sense of professionalism/work ethic.

Fisheries and Wildlife Management, BS

Code	Title	Hours
Departmental Requirements		
BIOL 131	General Biology: Cells	4
BIOL 132	General Biology: Organisms	4
NRES 199	Freshman Seminar	1
BIOL 202	Plant Science: Ident/Diversity	3-4
or NRES 284	Principles Forest Conservation	
NRES 203	Fund of Natural Resources	3
BIOL 220	Genetics	4
BIOL 243	Vertebrate Anatomy	4
or BIOL 330	Animal Physiology	
NRES 250	Quantitative Biology	3
BIOL 280	Biostatistics	3
NRES 299	Sophomore Seminar	1
NRES 310	Ichthyology	3
NRES 311	Mammalogy	3
NRES 312	Ornithology	3
NRES 333	Fish Ecology	3
BIOL 337	General Ecology	3
NRES 339	Wildlife Ecology	3
NRES 345	Limnology	4

NRES 399	Research Project Design	1
NRES 432	Fisheries Management	3
NRES 439	Wildlife Management	3
NRES 495	Senior Project	2
NRES 499	Senior Capstone	1
NRES or BIOL Elective		3
Support Courses		
CHEM 115	General Chemistry I	5
CHEM 116	General Chemistry II	5
CHEM 208	Survey Organic Chem/Biol Apps	4
or PHYS 221	Principles of Physics I	
EVNR 131	Introduction to GIS and GPS	3
MATH 111	College Algebra	3
MATH 112	Calculus Business/Life Science	4
Free Electives		10-11
Total Hours		99-101

General Education: All LSSU bachelor's degree candidates must complete the LSSU General Education Requirements.

A minimum of 125 credits (at the 100 level or higher) must be earned for graduation with a cumulative gpa of 2.00 or higher. A gpa of 2.00 or higher is also required in your Major, as well as in your General Education Requirements.

Fisheries and Wildlife Management, BS, Conservation Officer Concentration

Code	Title	Hours
Departmental Requirements		
BIOL 131	General Biology: Cells	4
BIOL 132	General Biology: Organisms	4
NRES 199	Freshman Seminar	1
BIOL 202	Plant Science: Ident/Diversity	3-4
or NRES 284	Principles Forest Conservation	
NRES 203	Fund of Natural Resources	3
BIOL 220	Genetics	4
NRES 250	Quantitative Biology	3
BIOL 280	Biostatistics	3
NRES 299	Sophomore Seminar	1
NRES 310	Ichthyology	3
NRES 311	Mammalogy	3
or NRES 312	Ornithology	
NRES 333	Fish Ecology	3
BIOL 337	General Ecology	3
NRES 339	Wildlife Ecology	3
NRES 345	Limnology	4
NRES 399	Research Project Design	1
NRES 432	Fisheries Management	3
NRES 439	Wildlife Management	3
NRES 495	Senior Project	2
NRES 499	Senior Capstone	1
Support Courses		
CHEM 115	General Chemistry I	5

CHEM 116	General Chemistry II	5
EVRN 131	Introduction to GIS and GPS	3
MATH 111	College Algebra	3
MATH 112	Calculus Business/Life Science	4
Conservation Officer Concentration Requirements		
CJUS 101	Introduction Criminal Justice	3
CJUS 102	Police Process	3
CJUS 197	Physical Fitness Public Safety	1
CJUS 201	Firearms Training	1
CJUS 313	Crisis Interv Deviant Behavior	3
or CJUS 321	Ethical Issues Public Safety	
PSYC 101	Intro to Psychological Science	3
SOCY 101	Introduction to Sociology	4
or SOCY 102	Social Problems	
COMM 225	Interpersonal Communication	3
Free Electives		
Total Hours		96-97

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NRES 203	Fund of Natural Resources	3
BIOL 220	Genetics	4
BIOL 243	Vertebrate Anatomy	4
or BIOL 330	Animal Physiology	
NRES 250	Quantitative Biology	3
BIOL 280	Biostatistics	3
NRES 299	Sophomore Seminar	1
NRES 310	Ichthyology	3
NRES 333	Fish Ecology	3
BIOL 337	General Ecology	3
NRES 345	Limnology	4
NRES 372	Freshwater Fish Culture	3
NRES 399	Research Project Design	1
NRES 432	Fisheries Management	3
NRES 475	Aquatic Entomology	3
NRES 495	Senior Project	2
NRES 499	Senior Capstone	1
NRES or BIOL Electives		8
Support Courses		
CHEM 115	General Chemistry I	5

CHEM 116	General Chemistry II	5
CHEM 208	Survey Organic Chem/Biol Apps	4
or PHYS 221	Principles of Physics I	
EVRN 131	Introduction to GIS and GPS	3
MATH 111	College Algebra	3
MATH 112	Calculus Business/Life Science	4
Human Dimensions		
Select one of the following:		3
ECON 307	Environmental Economics	
EVRN 311	Environmental Law	
NRES 304	The Human Environment	
POLI 342	Internatl Environmental Policy	
Free Electives		12
Total Hours		100

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CHEM 116	General Chemistry II	5
EVRN 131	Introduction to GIS and GPS	3
MATH 111	College Algebra	3

MATH 112	Calculus Business/Life Science	4
Physical Science ¹		
Select one of the following:		3-4
NRES 230	Introduction to Soil Science	
NRES 286	Principles of Watersheds	
PHYS 221	Principles of Physics I	
Policy/Admin/Law		
Select three of the following:		9
NRES 287	Conservation Biology	
ECON 307	Environmental Economics	
EVRN 311	Environmental Law	
NRES 304	The Human Environment	
POLI 342	Internatl Environmental Policy	
Free Electives		10
Total Hours		98-99

¹ Students considering graduate school should select PHYS 221 Principles of Physics I.

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