

BS in Natural Resource Science and Management with Emphasis in Fisheries and Wildlife Sciences

Degree Program Description

The Natural Resource Science and Management degree with an emphasis in Fisheries and Wildlife Sciences has a strong focus on taxonomy and includes additional required courses on research and management techniques. Students with degrees in Natural Resource Science and Management with an emphasis in Fisheries and Wildlife work as conservation biologists, ecologists, fisheries biologists, ornithologists, and wildlife biologists.

Major Program Requirements

In addition to completing major program requirements (<http://catalog.missouri.edu/collegeofagriculturefoodandnaturalresources/naturalresourcesciencemanagement/bs-natural-resource-science-management/>), students must complete the following additional requirements:

Degree Program Requirements-Emphasis Area

F_W 1100	Introductory Zoology with Laboratory	5
or BIO_SC 1500	Introduction to Biological Systems with Laboratory	
F_W 2500	Introduction to Genetics and Evolution for Conservation	3-4
or BIO_SC 2200	General Genetics	
or AN_SCI 3213	Genetics of Agricultural Plants and Animals	
F_W 2900	Principles of Wildlife Management	4
F_W 4300	Fisheries Management	3
F_W 4400	Fisheries Techniques	3-4
or F_W 4700	Wildlife Ecology Methods	
or NAT_R 4300	Methods in Lake Ecology	
F_W 4500	Animal Population Dynamics and Management	3

Zoology Courses (choose 3; minimum 2 courses from FW)

F_W 2600	Ornithology	5
F_W 2700	Ichthyology	4
F_W 3660	Mammalogy	4
BIO_SC 3260W	Invertebrate Zoology - Writing Intensive	
PLNT_SCI 3710	Introductory Entomology	

Emphasis Courses

NAT_R 2080	Outdoor Recreation Consortium	2
NAT_R 3400	Water Quality and Natural Resource Management	3
or FOREST 4390	Watershed Management and Water Quality	
NAT_R 4100	Lake Ecology	3
ENV_SC 2600	Sustainability Foundations: An Introduction to Sustainability	3
ENV_SC 4200	Stream Ecology and Hydrology	3
ENV_SC 4600W	Sustainability Science Problem Solving - Writing Intensive	3
F_W 3700	Animal Behavior	3

F_W 3900	Ecology of Fishes	3
F_W 4200W	Urban Wildlife Conservation - Writing Intensive	3
F_W 4220	Human Dimensions of Fish and Wildlife Conservation	3
F_W 4800	Environmental Toxicology	3
F_W 4810	Wildlife Disease Ecology	3
F_W 4880	Waterfowl Ecology and Management	3

Semester Plan

Below is a sample semester plan for the Fisheries and Wildlife Emphasis Area. Please consult with your advisor prior to registering for courses.

First Year

Fall	CR	Spring	CR
BIO_SC 1200	5	F_W 1100	5
NAT_R 1070	3	ENGLSH 1000	3
ATM_SC 1050	3	NAT_R 2325	3
MATH 1100	3	CHEM 1400 & CHEM 1401	4
	14		15

Second Year

Fall	CR	Spring	CR
F_W 2900	4	SOIL 2100	3
FOREST 4320	5	PRST 3231	3
NAT_R 4110	4	Zoology Course	4
FOREST 2151	4	MATH 1400	3
		Humanities & Fine Arts	3
	17		16

Third Year

Fall	CR	Spring	CR	Summer	CR
SOIL 2106	2	Zoology Course	4	NAT_R 4950 or 4940	3
F_W 4500	3	Professional Elective	3		
Humanities & Fine Arts	3	F_W 4700	4		
ABM 2070W	3	BIO_SC 2200	4		
ABM 2123	3				
	14		15		3

Fourth Year

Fall	CR	Spring	CR
Missouri State Law Requirement	3	NAT_R 4353	3
F_W 4300	3	F_W 4650	4
Professional Elective	3	Zoology Course	5
F_W 4600W	3	Professional Elective	4
Behavioral or Social Science	3		
	15		16

Total Credits: 125