

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 or BIO_SC 1500	Introductory Zoology with Laboratory Introduction to Biological Systems with Laboratory	5
F_W 2500 or BIO_SC 2200 or AN_SCI 3213	Introduction to Genetics and Evolution for Conservation General Genetics Genetics of Agricultural Plants and Animals	3-4
F_W 2900	Principles of Wildlife Management	4
F_W 4300	Fisheries Management	3
F_W 4400 or F_W 4700 or NAT_R 4300	Techniques for Fisheries Management and Conservation Wildlife Ecology Methods Methods in Lake Ecology	3-4
F_W 4500	Animal Population Dynamics and Management	3
Emphasis Courses		9
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
NAT_R 2080	Outdoor Recreation Consortium	2

NAT_R 3400 or FOREST 4390	Water Quality and Natural Resource Management Watershed Management and Water Quality	3
NAT_R 4100	Lake Ecology	3
Zoology Courses (choose 3; minimum 2 courses from FW)		12-14
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 & PLNT_SCI 3715	Introductory Entomology and Insect Diversity	

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
ENGLSH 1000	3	MATH 1100	3
NAT_R 1070	3	NAT_R 2325	3
ATM_SC 1050	3	PRST 3231	3
14		14	

Second Year

Fall	CR	Spring	CR
F_W 2900	4	SOIL 2100	3
FOREST 4320	5	CHEM 1320	4
Missouri State Law Requirement	3	Zoology Course	4
FOREST 2151	4	Humanities & Fine Arts	3
		Humanities & Fine Arts	3
16		17	

Third Year

Fall	CR	Spring	CR	Summer	CR
SOIL 2106	2	Zoology Course	4	F_W 4940	3
MATH 1400	3	Professional Elective	3		
NAT_R 4110	4	F_W 4700	4		
ABM 2070W	3	BIO_SC 2200	4		
ABM 2123	3				
15		15		3	

Fourth Year

Fall	CR	Spring	CR
F_W 4500	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