

BS in Natural Resource Science and Management with Emphasis in Terrestrial Ecosystems

Degree Program Description

The Natural Resource Science and Management degree with an emphasis in Terrestrial Ecosystems combines interests in wildlife management, conservation, and forestry, focusing on basic and applied concepts important in land management and species conservation. Students with degrees in Natural Resource Science and Management with an emphasis in Terrestrial Ecosystems are accredited by the Society of American Foresters and may find employment as conservation biologists, ecologists, land stewards, and resource foresters.

Major Program Requirements

In addition to completing major program requirements (<https://catalog.missouri.edu/collegeofagriculturefoodandnaturalresources/naturalresourcesciencemanagement/bs-natural-resource-science-management/>), students must complete the following additional emphasis area 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 2900	Principles of Wildlife Management	4
F_W 2600 or F_W 3660 or PLNT_SCI 3710	Ornithology Mammalogy Introductory Entomology	3-5
FOREST 2541	Forest Utilization	1
FOREST 2542	Forest Measurement and Inventory Field Studies	1
FOREST 2544	Introduction to Silviculture and Management	1
FOREST 2340	Tree Physiology	3
FOREST 3212	Forest Health and Protection	3
FOREST 4330	Practice of Silviculture	4
FOREST 4350	Forest Economics	3
FOREST 4360	Forest Measurements	3
FOREST 4380	Forest Resource Management	3
FOREST 4390 or ENV_SC 3400	Watershed Management and Water Quality Water Quality and Natural Resources Management	3
Professional Electives (Choose 2 Courses)		
FOREST 3207	Forest Fire Control and Use	3
FOREST 3290	Urban Forestry	2
FOREST 4341	Forest Harvesting and the Environment	3
FOREST 4385	Agroforestry I: Theory, Practice and Adoption	3
ENV_SC 2600	Sustainability Foundations: An Introduction to Sustainability	3

ENV_SC 4600W	Sustainability Science Problem Solving - Writing Intensive	3
ENV_SC 4560	Observing the Earth from Space	3

Semester Plan

Below is a sample semester plan for the Terrestrial Ecosystems Emphasis Area. A student's actual plan may vary due to course choices, course availability, transfer courses, and minors/certificates pursued. Please consult with your advisor prior to registering for courses.

First Year

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

Second Year

Fall	CR	Spring	CR	Summer	CR
FOREST 2151	4	SOIL 2100	3	FOREST 2541	1
FOREST 4320	5	SOIL 2106	2	FOREST 2542	1
MATH 1400	3	STAT 2500	3	FOREST 2544	1
F_W 2900	4	Missouri State Law Requirement FOREST 2340	3	NAT_R 4950 or 4940	3
16		14		6	

Third Year

Fall	CR	Spring	CR
Humanities & Fine Arts	3	FOREST 4350	3
Humanities & Fine Arts	3	F_W 2600 or 3660	5
ABM 1041	3	FOREST 3212	3
NAT_R 4110	4	Professional Elective	2
F_W 4600W	3		
16		13	

Fourth Year

Fall	CR	Spring	CR
FOREST 4330	4	NAT_R 4353	3
FOREST 4390 or NAT_R 3400	3	PRST 3231	3
Professional Elective	3	F_W 4650	4
Social/Behavioral Elective	3	FOREST 4380	3
Humanities & Fine Arts WI	3	FOREST 4360	3
16		16	

Total Credits: 126