

BS in Natural Resource Science and Management with Emphasis in Forest Resources

Degree Program Description

The Natural Resource Science and Management degree with an emphasis in Forest Resources expands the knowledge base in fire ecology, silviculture, and forest stand dynamics in order for graduates to better address the challenges of managing forest resources in the 21st Century. Students with a degree in Natural Resource Science and Management with an emphasis in Forest Resources will be accredited by the Society of American Foresters and may find employment as community foresters, consulting foresters, ecologists, 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

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 3207	Forest Fire Control and Use	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	Watershed Management and Water Quality	3
NAT_R 4365	GIS Applications	3
ENV_SC 4560	Observing the Earth from Space	3
Professional Electives (Choose 2 Courses)		
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

Semester Plan

Below is a sample semester plan for the Forest Resources 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 ENGLISH 1000	3		
MATH 1100		3 Humanities & Fine Arts	3		
NAT_R 1070		3 CHEM 1400 & CHEM 1401	4		
ATM_SC 1050		3 NAT_R 2325	3		
		FOREST 3207	3		
			14	16	
Second Year					
Fall	CR	Spring	CR	Summer	CR
FOREST 2151	4	SOIL 2100		3 FOREST 2541	1
FOREST 4320	5	ABM 2123		3 FOREST 2542	1
MATH 1400	3	Humanities & Fine Arts WI		3 FOREST 2544	1
NAT_R 4110	4	ABM 1042		3 NAT_R 4950 or 4940	3
			16	12	6
Third Year					
Fall	CR	Spring	CR		
SOIL 2106	2	FOREST 4350	3		
Behavioral or Social Science	3	PRST 3231		3	
FOREST 4360	3	NAT_R 4365		3	
FOREST 4330	4	FOREST 2340		3	
Missouri State Law Requirement	3	FOREST 3212		3	
			15	15	
Fourth Year					
Fall	CR	Spring	CR		
FOREST 4390	3	NAT_R 4353		3	
Humanities & Fine Arts	3	F_W 4650		4	
FOREST 4380	3	Professional Elective		3	
F_W 4600W	3	Humanities & Fine Arts		3	
		Professional Elective		3	
			12	16	
Total Credits: 122					