

FORESTRY (B.S.FORESTRY)

Students must have a minimum cumulative grade-point average of 2.00 in FOR courses to qualify for the B.S.Forestry.

Required course work includes the university requirements (see regulation J-3 (<https://catalog.uidaho.edu/general-requirements-academic-procedures/j-general-requirements-baccalaureate-degrees/>)) and:

Code	Title	Hours
BIOL 114	Organisms and Environments	4
ECON 202	Principles of Microeconomics	3
ENT 469	Introduction to Forest Insects	2
FOR 102	Introduction to Forest Management	2
FOR 220	Forest Biology & Dendrology	3
FOR 221	Principles of Ecology	3
FOR 230	Forest Operations I	2
FOR 235	Society and Natural Resources	3
FOR 274	Forest Measurement and Inventory	3
FOR 275	Forestry Resource Sampling	2
FOR 324	Forest Regeneration	3
FOR 330	Terrestrial Ecosystem Ecology	4
FOR 375	Fundamentals of Geomatics	3
FOR 424	Silviculture Principles and Practices	4
FOR 439	Forest Operations II	2
FOR 462	Watershed Science and Management	3
FOR 468	Forest and Plant Pathology	2
FOR 484	Forest Policy and Administration	2
FOR 493	Business of Forestry	2
MATH 143	College Algebra ¹	3
MATH 144	Precalculus II: Trigonometry ¹	1
NR 101	Exploring Natural Resources	2
NRS 383	Natural Resource and Ecosystem Service Economics	3
FIRE 144 or FIRE 326	Wildland Fire Management Fire Ecology	3
SOIL 205	The Soil Ecosystem	3
SOIL 206	The Soil Ecosystem Lab	1
STAT 251	Statistical Methods	3
Select one of the following:		4
CHEM 101 & 101L	Introduction to Chemistry and Introduction to Chemistry Laboratory	
CHEM 111 & 111L	General Chemistry I and General Chemistry I Laboratory	
Select one of the following:		4
PHYS 100 & 100L	Fundamentals of Physics and Fundamentals of Physics Lab	
PHYS 111 & 111L	General Physics I and General Physics I Lab	

Emphasis

Select one of the following emphases:

General Forestry Emphasis (p. 1)

Forest Operations Emphasis (p. 1)

Forest Biology Emphasis (p. 1)

Forest Hydrology & Watershed Management Emphasis (p. 1)

Total Hours 79

A. General Forestry Emphasis

Code	Title	Hours
Select 18 credits of advisor approved electives		18
Total Hours		18

B. Forest Operations Emphasis

Code	Title	Hours
FOR 431	Low Volume Forest Roads	2
FOR 436	Steep Slope Logging Systems	2
FSP 100	Introduction to Forest and Sustainable Products	2
FSP 321	Properties of Forest and Sustainable Products	3
FSP 444	Primary Forest Products Manufacturing	3
ACCT 201	Introduction to Financial Accounting	3
Total Hours		15

C. Forest Biology Emphasis

Code	Title	Hours
BIOL 115 & 115L	Cells and the Evolution of Life and Cells and the Evolution of Life Laboratory	4
BIOL 213	Structure and Function Across the Tree of Life	4
CHEM 112 & 112L	General Chemistry II and General Chemistry II Laboratory	5
CHEM 275 or CHEM 277	Carbon Compounds Organic Chemistry I	3
MATH 160 or MATH 170	Survey of Calculus Calculus I	4
WLF 370	Management and Communication of Scientific Data	3
Select two courses from the following list:		6
BIOL 314	Ecology and Population Biology	
FOR 443	Forest Production Ecology	
GEOG 313	Global Climate Change	
GEOG 410	Biogeography	
GEOG 430	Climate Change Ecology	
REM 440	Restoration Ecology	
WLF 440	Conservation Biology	

Total Hours 29

D. Forest Hydrology & Watershed Management Emphasis

Code	Title	Hours
GEOL 111	Physical Geology for Science Majors	3
MATH 170	Calculus I	4
MATH 175	Calculus II	4
PHYS 112 & 112L	General Physics II and General Physics II Lab	4
STAT 301	Probability and Statistics	3
Select one course from the following:		3-4

FISH 415	Limnology	
FISH 430	Riparian and River Ecology	
Select two courses from the following:		6
GEOG 385	Foundations of GIS	
GEOG 424	Hydrologic Applications of GIS and Remote Sensing	
GEOG 475	Intermediate GIS	
GEOG 479	GIS Programming	
Select two courses from the following:		6
GEOG 301	Meteorology	
GEOL 309	Ground Water Hydrology	
HYDR 409	Quantitative Hydrogeology	
SOIL 415	Soil and Environmental Physics	
SOIL 450	Environmental Hydrology	
SOIL 452	Environmental Water Quality	

Total Hours 33-34

Courses to total 120 credits for this degree

1

A SAT math score of 610 or above, or ACT math score of 27 or above, can be used to satisfy the MATH 143 and MATH 144 requirements.

Fall Term 1		Hours
BIOL 114	Organisms and Environments	4
ENGL 101	Writing and Rhetoric I	3
MATH 143	College Algebra	3
MATH 144	Precalculus II: Trigonometry	1
NR 101	Exploring Natural Resources (General Education Requirement)	2
Hours		13
Spring Term 1		Hours
ENGL 102	Writing and Rhetoric II	3
FOR 102	Introduction to Forest Management	2
Oral Communication Course		3
(CHEM 101 AND CHEM 101L) OR (CHEM 111 AND CHEM 111L)		4
FIRE 326 OR FIRE 144		3
Hours		15
Fall Term 2		Hours
FOR 230	Forest Operations I	2
FOR 274	Forest Measurement and Inventory	3
SOIL 205	The Soil Ecosystem	3
SOIL 206	The Soil Ecosystem Lab	1
STAT 251	Statistical Methods	3
(PHYS 100 AND PHYS 100L) OR (PHYS 111 AND PHYS 111L)		4
Hours		16
Spring Term 2		Hours
ECON 202	Principles of Microeconomics	3
FOR 221	Principles of Ecology	3
FOR 275	Forestry Resource Sampling	2
NRS 235	Society and Natural Resources	3
Humanistic and Artistic Ways of Knowing Course		3
American Diversity Course		3
Hours		17
Fall Term 3		Hours
FOR 220	Forest Biology & Dendrology	3
FOR 375	Fundamentals of Geomatics	3
International Course		3
Emphasis Area, Major Elective Course		3

Emphasis Area, Major Elective Course		3
Hours		15
Spring Term 3		Hours
FOR 324	Forest Regeneration	3
FOR 330	Terrestrial Ecosystem Ecology	4
NRS 383	Natural Resource and Ecosystem Service Economics	3
Humanistic and Artistic Ways of Knowing Course		3
Emphasis Area, Major Elective Course		3
Hours		16
Fall Term 4		Hours
FOR 424	Silviculture Principles and Practices	4
FOR 439	Forest Operations II	2
FOR 493	Business of Forestry	2
Emphasis Area, Major Elective Course		3
Emphasis Area, Major Elective Course		3
Hours		14
Spring Term 4		Hours
ENT 469	Introduction to Forest Insects	2
FOR 468	Forest and Plant Pathology	2
FOR 484	Forest Policy and Administration	2
FOR 462	Watershed Science and Management	3
Emphasis Area, Major Elective Course		3
Elective Course		2
Hours		14
Total Hours		120

The degree map is a guide for the timely completion of your curricular requirements. Your academic advisor or department may be contacted for assistance in interpreting this map. This map is not reflective of your academic history or transcript and it is not official notification of completion of degree or certificate requirements. Please contact the Registrar's Office regarding your official degree/certificate completion status.

1. Graduates will be able to conduct forest resource inventories and perform field measurements of forest ecosystems, providing the foundation for making science-based management decisions.
2. Graduates will be able to think critically, and will have the skills to develop, evaluate, synthesize, and apply scientific knowledge (i.e., biological, physical, and socioeconomic) from a variety of sources (i.e., scientific literature, technologies, and expert advice) to evaluate and justify forest management decisions and management alternatives.
3. Graduates will be able to communicate plans and decisions effectively in light of existing policies and laws by listening actively, formulating, articulating, and explaining ideas clearly using both oral and written techniques.
4. Graduates will be able to work effectively as an individual and collaboratively with teams of people, including effective leadership of groups working toward a common goal.