

# FORESTRY B.S.

In addition to special degree requirements listed previously, students selecting the BS Forestry degree must complete the following required courses or their equivalent, if transferred from another college or university. Transference and equivalency will be determined by the University, W.A Franke College of Forestry and Conservation, and Forestry program. Electives may be taken at any time, keeping in mind these requirements as well as the University's General Education requirements for graduation.

## Bachelor of Science - Forestry W.A Franke College of Forestry & Conservation

Degree Specific Credits: 90-94

Required Cumulative GPA: 2.0

Catalog Year: 2018-2019

### General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umt.edu/academics/general-education-requirements>) of the catalog.

### Summary

Code	Title	Hours
Lower-Division Major Required Courses		16
Lower-Division Outside Major Required Courses		23-27
Upper-Division Major Required Courses		27
Professional Electives		15
Upper-Division Writing Requirement		9
Total Hours		90-94

### Lower-Division Major Required Courses

Code	Title	Hours
<b>Complete all of the following courses:</b>		
FORS 130	Intro Forestry Field Skills	2
FORS 202	Forest Mensuration	3
FORS 240	Tree Biology	2
FORS 241N	Dendrology	3
FORS 250	Intro to GIS for Forest Mgt	3
NRSM 210N	Soils, Water and Climate	3
Total Hours		16

Minimum Required Grade: C-

### Lower-Division Outside Major Required Courses

Code	Title	Hours
<b>Complete all of the following courses:</b>		
BIOB 160N	Principles of Living Systems	3
CHMY 121N	Introduction to General Chemistry	3
COMX 111A	Introduction to Public Speaking	3

or THTR 120A	Introduction to Acting I	
ECNS 201S	Principles of Microeconomics	3
<b>Complete one of the following two options:</b>		4-6
M 151	Precalculus	
M 121 & M 122	College Algebra and College Trigonometry	
<b>Complete one of the following two options:</b>		4-5
M 162	Applied Calculus	
PHSX 205N & PHSX 206N	College Physics I and College Physics I Laboratory	
<b>Complete one of the following courses:</b>		3-4
FORS 201	Forest Biometrics	
STAT 216	Introduction to Statistics	
Total Hours		23-27

Minimum Required Grade: C-

### Upper-Division Major Required Courses

Code	Title	Hours
<b>Complete all of the following courses:</b>		
FORS 320	Forest Environmental Economics	3
FORS 330	Forest Ecology	3
FORS 340	Forest Product Manufacturing	3
FORS 341	Timber Harvesting & Roads	3
FORS 349	Practice of Silviculture	3
FORS 440	Forest Stand Management	3
FORS 481	Forest Planning	3
NRSM 385	Watershed Hydrology	3
NRSM 422	Nat Res Policy/Administration	3
Total Hours		27

Minimum Required Grade: C-

### Professional Electives

**Rule:** Complete 18 total credits from the combined subcategories.

### Biophysical Sciences

Code	Title	Hours
<b>Complete one of the following courses:</b>		
BIOE 370	General Ecology	3
BIOO 335	Rocky Mountain Flora	
BIOO 433	Plant Physiology	
FORS 333	Fire Ecology	
FORS 342	Wood Anatomy, Properties, & ID	
NRSM 418	Ecosystem Climatology	
WILD 370	Wildlife Habitat Cons & Mgmt	
Total Hours		3

Minimum Required Grade: C-

**Management Application**

Code	Title	Hours
<b>Complete two of the following courses:</b>		5-6
FORS 230	Fire Management & Environmental Change	
FORS 232	Forest Insects & Diseases	
FORS 331	Wildland Fuel Management	
FORS 434	Advanced Forest Roads	
FORS 435	Advanced Timber Harvesting	
NRSM 265	Elements of Ecological Restoration	
NRSM 360	Rangeland Mgt (equiv 260)	
Total Hours		5-6

Minimum Required Grade: C-

**Policy and Social Science**

Code	Title	Hours
<b>Complete one of the following courses:</b>		3
ENST 230H	Nature and Society	
NASX 303E	Ecological Perspectives in Native American Traditions	
NRSM 370S	Wildland Conservation Policy/Governance	
NRSM 379	Collab in Nat Res Decisions	
NRSM 389E	Ethics Forestry & Conservation	
NRSM 424	Community Forestry & Conservtn	
NRSM 426	Climate and Society	
NRSM 427	Advanced Water Policy	
NRSM 475	Environment & Development	
PTRM 217S	Parks & Outdoor Rec. Mgmt.	
PTRM 300	Recreation Behavior	
PTRM 310	Nat Res Interp and Comm	
PTRM 380	Rec Admin & Leadership	
PTRM 451	Tourism & Sustainability	
PTRM 482	Wilderness & Protected Area Management	
Total Hours		3

Minimum Required Grade: C-

**Measurement and Analysis**

Code	Title	Hours
<b>Complete one of the following courses:</b>		3
FORS 350	Forestry Apps of GIS	
FORS 351	Env Remote Sensing	
GEO 421	Hydrology	
Total Hours		3

Minimum Required Grade: C-

**Upper-Division Writing Requirement**

Code	Title	Hours
<b>Complete three of the following courses:</b>		9
FORS 330	Forest Ecology	
FORS 341	Timber Harvesting & Roads	
FORS 349	Practice of Silviculture	

FORS 440 Forest Stand Management

Total Hours 9

Minimum Required Grade: C-