

FOREST RESOURCES MANAGEMENT B.S.

Bachelor of Science - Forestry; Forest Resources Mgmt Concentration

W.A Franke College of Forestry & Conservation

Degree Specific Credits: 90

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

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

Major Required Courses	22
Outside Major Courses Required	24-27
Major Required Courses	26
Professional Electives	18
Biophysical Sciences	
Management Application	
Policy and Social Science	
Measurement and Analysis	
Writing within Major	14-15
Math within Major	4-6
Exception to the Modern/Classical Languages Requirement	3-4
Expressive Arts Requirement	3
Social Science within Major	3
Ethical & Human Values Elective within Major	3
Natural Sciences within Major	6
Total Hours	126-133

Major Required Courses

Rule: Must take all courses

FORS 130	Intro Forestry Field Skills	2
FORS 201	Forest Biometrics	3
FORS 202	Forest Mensuration	3
FORS 240	Tree Biology	2
FORS 241N	Dendrology	3
FORS 250	Intro to GIS for Forest Mgt	3
NRSM 200	Nat.Resource Professional Wrtg	3
NRSM 210N	Soils, Water and Climate	3
Total Hours		22

Minimum Required Grade: C-

Outside Major Courses Required

Rule: Must take all courses

BIOB 160N	Principles of Living Systems	3
BIOB 161N	Prncpls of Living Systems Lab	1
CHMY 121N	Introduction to General Chemistry	3
COMX 111A	Intro to Public Speaking	3
or THTR 120A	Introduction to Acting I	
ECNS 201S	Principles of Microeconomics	3
Select one of the following:		4-6
M 151	Precalculus	
M 121	College Algebra	
& M 122	and College Trigonometry	
Select one of the following:		4-5
M 162	Applied Calculus	
PHSX 205N	College Physics I	
& PHSX 206N	and College Physics I Laboratory	
WRIT 101	College Writing I	3
Total Hours		24-27

Minimum Required Grade: C-

Major Required Courses

Rule: Must take all courses

FORS 320	Forest Environmental Economics	3
FORS 330	Forest Ecology	3
FORS 340	Forest Product Manufacturing	2
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		26

Minimum Required Grade: C-

Professional Electives

Rule: Must take at least 18 total credits from the combined subcategories

Note: Must take 6 credits beyond major requirements to earn a minor

Minimum Required Grade: C-

18 Total Credits Required

Biophysical Sciences

Select at least one of the following:		3
BIOE 370	General Ecology	
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

Select at least two of the following: 4-6

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 360	Rangeland Mgt (equiv 260)	
WILD 275	Wildlife Conservation	
Total Hours		4-6

Minimum Required Grade: C-

Policy and Social Science

Select at least one of the following: 3

ENST 230H	Nature and Society	
FORS 436	Project Appraisal	
NASX 303E	Ecol Persp in Nat Amer Trad	
NRSM 370S	Wildland Conserv Pol/Govrnance	
NRSM 379	Collab in Nat Res Decisions	
NRSM 389E	Ethics Forestry & Conservation	
NRSM 424	Community Forestry & Conservtn	
NRSM 425	Nat Res & Envir Economics	
NRSM 426	Climate and Society	
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 & Protctd Area Mgt	
Total Hours		3

Minimum Required Grade: C-

Measurement and Analysis

Select at least one of the following: 2-3

FORS 350	Forestry Apps of GIS	
FORS 351	Env Remote Sensing	
GEO 421	Hydrology	
Total Hours		2-3

Minimum Required Grade: C-

Writing within Major

Rule: Must complete the following subcategories

15 Total Credits Required

Lower Division Writing

Rule: All are required

NRSM 200	Nat.Resource Professional Wrtg	3
WRIT 101	College Writing I	3
Total Hours		6

Minimum Required Grade: C-

Upper Division Writing

Select at least three of the following: 8-9

FORS 330	Forest Ecology	
FORS 340	Forest Product Manufacturing	
FORS 341	Timber Harvesting & Roads	
FORS 349	Practice of Silviculture	
Total Hours		8-9

Minimum Required Grade: C-

Math within Major

Select one of the following: 4-6

M 151	Precalculus	
M 121	College Algebra	
& M 122	and College Trigonometry	
Total Hours		4-6

Minimum Required Grade: C-

Exception to the Modern/Classical Languages Requirement

Rule: The Forestry major has been granted an exception to the Modern/Classical Language Requirement. Must take one of the following courses to will satisfy this requirement.

FORS 201	Forest Biometrics	3-4
or STAT 216	Introduction to Statistics	
Total Hours		3-4

Minimum Required Grade: C-

Expressive Arts Requirement

COMX 111A	Intro to Public Speaking	3
or THTR 120A	Introduction to Acting I	
Total Hours		3

Minimum Required Grade: C-

Social Science within Major

Rule: Must take the following course

ECNS 201S	Principles of Microeconomics	3
Total Hours		3

Minimum Required Grade: C-

Ethical & Human Values Elective within Major

Rule: Can take the elective course

NRSM 389E	Ethics Forestry & Conservation	3
Total Hours		3

Minimum Required Grade: C-

Natural Sciences within Major

Select at least two of the following including a lab course: 6

BIOB 160N	Principles of Living Systems	
BIOB 161N	Prncpls of Living Systems Lab	
CHMY 121N	Introduction to General Chemistry	
FORS 241N	Dendrology	
NRSM 210N	Soils, Water and Climate	
Total Hours		6

Minimum Required Grade: C-