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

BIOL 160N Principles of Living Systems 3
BIOL 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 3
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-

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
Management Application
Select at least two of the following:

- 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:

- ENST 230H Nature and Society
- FORS 436 Project Appraisal
- NASX 303E Ecol Persp in Nat Amer Trad
- NRSM 370S Wildland Conserv Pol/Governance
- 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:

- FORS 350 Forestry Apps of GIS
- FORS 351 Env Remote Sensing
- GEO 421 Hydrology

Total Hours: 2-3
Minimum Required Grade: C-

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:

- 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:

- M 151 Precalculus 4-6
- 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
- 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 1

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-
Minimum Required Grade: C-

### Ethical & Human Values Elective within Major

**Rule:** Can take the elective course

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>NRSM 389E</td>
<td>Ethics Forestry &amp; Conservation</td>
<td>3</td>
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Total Hours 3

Minimum Required Grade: C-

### Natural Sciences within Major

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

<table>
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<tr>
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<tbody>
<tr>
<td>BIOB 160N</td>
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<td>NRSM 210N</td>
<td>Soils, Water and Climate</td>
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</tbody>
</table>

Total Hours 6

Minimum Required Grade: C-