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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORS 130</td>
<td>Intro Forestry Field Skills</td>
<td>2</td>
</tr>
<tr>
<td>FORS 201</td>
<td>Forest Biometrics</td>
<td>3</td>
</tr>
<tr>
<td>FORS 202</td>
<td>Forest Mensuration</td>
<td>3</td>
</tr>
<tr>
<td>FORS 240</td>
<td>Tree Biology</td>
<td>2</td>
</tr>
<tr>
<td>FORS 241N</td>
<td>Dendrology</td>
<td>3</td>
</tr>
<tr>
<td>FORS 250</td>
<td>Intro to GIS for Forest Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>NRSM 200</td>
<td>Nat.Resource Professional Wrtg</td>
<td>3</td>
</tr>
<tr>
<td>NRSM 210N</td>
<td>Soils, Water and Climate</td>
<td>3</td>
</tr>
</tbody>
</table>
Total Hours 22

Minimum Required Grade: C-

Outside Major Courses Required

Rule: Must take all courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOB 160N</td>
<td>Principles of Living Systems</td>
<td>3</td>
</tr>
<tr>
<td>BIOB 161N</td>
<td>Prcnps of Living Systems Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHMY 121N</td>
<td>Introduction to General Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>COMX 111A</td>
<td>Intro to Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or THTR 120A</td>
<td>Introduction to Acting I</td>
<td></td>
</tr>
<tr>
<td>ECNS 201S</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>M 151</td>
<td>Precalculus</td>
<td>4-6</td>
</tr>
<tr>
<td>M 121</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>&amp; M 122</td>
<td>and College Trigonometry</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M 162</td>
<td>Applied Calculus</td>
<td>4-5</td>
</tr>
<tr>
<td>PHSX 205N</td>
<td>College Physics I</td>
<td></td>
</tr>
<tr>
<td>&amp; PHSX 206N</td>
<td>College Physics I Laboratory</td>
<td></td>
</tr>
<tr>
<td>WRIT 101</td>
<td>College Writing I</td>
<td>3</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOE 370</td>
<td>General Ecology</td>
<td></td>
</tr>
<tr>
<td>BIOO 335</td>
<td>Rocky Mountain Flora</td>
<td></td>
</tr>
<tr>
<td>BIOO 433</td>
<td>Plant Physiology</td>
<td></td>
</tr>
<tr>
<td>FORS 333</td>
<td>Fire Ecology</td>
<td></td>
</tr>
<tr>
<td>FORS 342</td>
<td>Wood Anatomy, Properties, &amp; ID</td>
<td></td>
</tr>
<tr>
<td>NRSM 418</td>
<td>Ecosystem Climatology</td>
<td></td>
</tr>
</tbody>
</table>

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

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**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 3

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

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

Total Hours: 3

Minimum Required Grade: C-

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### Natural Sciences within Major

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

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Total Hours: 6

Minimum Required Grade: C-