ECOLOGICAL RESTORATION MINOR

Minor - Ecological Restoration (Minor)

W.A Franke College of Forestry & Conservation

Degree Specific Credits: 24

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

Summary

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<td>Natural Sciences Within Minor</td>
<td>3</td>
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<tr>
<td>Total Hours</td>
<td>33-38</td>
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</table>

Major Required Course

Rule: must take the following course

Note: FORS 201 can be substituted for either STAT 216 OR WILD 240

Select one of the following: 3-4

- FORS 201 Forest Biometrics
- STAT 216 Introduction to Statistics
- WILD 240 Intro to Biostatistics
- NRSM 210N Soils, Water and Climate 3
- NRSM 265 Elements of Ecological Restoration 3

Total Hours 9-10

Minimum Required Grade: C-

Required Courses

Rule: Must complete all of the following courses

Note: FORS 330 can be substituted for either BIOE 370 OR BIOE 428 OR NRSM 462; NRSM 385 can be substituted for BIOO 335

Select one of the following: 3-5

- FORS 330 Forest Ecology
- BIOE 370 General Ecology
- BIOE 428 Freshwater Ecology
- NRSM 462 Rangeland Ecology
- NRSM 385 Watershed Hydrology 3
  or BIOO 335 Rocky Mountain Flora
- NRSM 465 Foundations of Restoration Ecology 3

Total Hours 9-11

Minimum Required Grade: C-

Natural Science Electives

Rule: Must take one of the following courses, but not a course already used for a core or above requirement

Select one of the following: 3-5

- BIOE 342 Field Ecology
- BIOE 370 General Ecology
- BIOE 416 Alpine Ecology
- BIOE 428 Freshwater Ecology
- BIOE 439 Stream Ecology
- BIOE 448 Terrestrial Plant Ecology
- BIOE 451 Landscape Ecology
- BIOE 453 Ecology of Small & Large Lakes
- BIOE 458 Forest and Grassland Ecol
- BIOO 335 Rocky Mountain Flora
- BIOO 340 Biology and Mgmnt of Fishes
- BIOO 433 Plant Physiology
- FORS 202 Forest Mensuration
- FORS 330 Forest Ecology
- FORS 331 Wildland Fuel Management
- FORS 333 Fire Ecology
- FORS 347 Multiple Resource Silviculture
- GEO 420 Hydrogeology
- GEO 460 Process Geomorphology
- NRSM 385 Watershed Hydrology
- NRSM 408 Global Cycles and Climate
- NRSM 415 Environmental Soil Science
- NRSM 418 Ecosystem Climatology
- NRSM 455 Riparian Ecology & Management
- NRSM 462 Rangeland Ecology
- WILD 470 Consrv of Wildlife Populatns
- WILD 485 Aquatic Invertebrate Ecology

Total Hours 3-5

Minimum Required Grade: C-

Social Science Electives

Rule: take at least one course from the following, but if one of these courses are required for the major a second elective must be taken

Select at least one of the following: 3

- ECNS 433 Economics of the Environment
- FORS 320 Forest Environmental Economics
- GPHY 335 Water Policy
- NRSM 379 Collab in Nat Res Decisions
- NRSM 422 Nat Res Policy/Administration
- NRSM 426 Climate and Society
- NRSM 449E Climate Change Ethics/Policy
- NRSM 475 Environment & Development
- NRSM 389E Ethics Forestry & Conservation
- PTRM 482 Wilderness & Prctcd Area Mgt

Total Hours 3
Minimum Required Grade: C-

**Ethical & Human Values Elective Within Minor**

**Rule:** Can take the elective courses

**Note:** can take these courses for Social Science Electives in the minor and will work for this General Education Requirement

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRSM 449E</td>
<td>Climate Change Ethics/Policy</td>
<td>3</td>
</tr>
<tr>
<td>NRSM 389E</td>
<td>Ethics Forestry &amp; Conservation</td>
<td>3.000</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
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<td><strong>6</strong></td>
</tr>
</tbody>
</table>

Minimum Required Grade: C-

**Natural Sciences Within Minor**

**Rule:** must take the following course

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<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>NRSM 210N</td>
<td>Soils, Water and Climate</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>3</strong></td>
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Minimum Required Grade: C-