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

Major Required Course 9-10
Required Courses 9-11
Natural Science Electives 3-5
Social Science Electives 3
Ethical & Human Values Elective Within Minor 6
Natural Sciences Within Minor 3
Total Hours 33-38

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 Biao 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 Biao 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 Mgmt 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 Conserv 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 & Protctd 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 Code</th>
<th>Course Title</th>
<th>Hours</th>
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</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>
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Total Hours: 6

Minimum Required Grade: C-

### Natural Sciences Within Minor

**Rule:** must take the following course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRSM 210N</td>
<td>Soils, Water and Climate</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 3

Minimum Required Grade: C-