### General Education Requirements

**English Composition**
- ENGL 101 and ENGL 102 3 3
- OR ENGL 106, 107, and 108 3 3
- OR ENGL 109H 3

**2nd Language**
(2nd semester proficiency by credit or exam; C or better)

**Tier I**
- Individuals and Societies: Select 2 courses from 150s 3
- Traditions and Cultures: Select 2 courses from 160s 3

**Tier II**
- Art or Humanities 3
- *Individuals and Societies: ECON 200 suggested 3

**Diversity Requirement:** One general education course must have the non-Western Civilization, Gender, Race, Class, Ethnicity designation. Some Tier 1 and Tier II courses also satisfy this requirement.

### Natural Resources Core Courses (18 units)

- RNR 200: Conservation of Natural Environments (Fall/Sum) 3
- RNR 230R/L: Field Botany (Fall) 2 1
- RNR 316: Natural Resources Ecology (Fall/Sp) 3
- RNR 321: Ecological Surveys and Sampling (Fall/Sp) 3
- RNR 384: Natural Resources Management Practices (Spring) 3
- RNR 480: Natural Resources Policy and Law (Spring) 3

### Core Themes (13 units)

- Math: MATH 109C or MATH 112 3
- Technical Skills: RNR 403, RNR 417, RNR 429, RNR 480, ENVS 408, ENVS 415 3
- Technical Writing: ENGL 308, ENGL 313, ENGL 340, ENGL 414, ENVS 408, ENVS 415 3
- Oral or Media Communication: ALC 422, COMM 113, COMM 119, JOUR 455, JOUR 472, RNR 495A, SBE 202, SCI 401 3
- SNRE requirement 1

### Option Specific Courses (15 units)

- RAM 382 Rangeland Plant Communities (Spring) 3
- RAM 436A Grazing Ecology and Management (Fall) 2
- RAM 446 Restoration and Management of Wildland Vegetation (Spring) 4
- RAM 458A Rangeland Inventory and Monitoring (Fall) 4
- RAM 487 Rangeland Management Planning (Odd Springs) 2

### Technical Electives (26 units):

- ( )

### Supporting Coursework

- Statistics: MATH 163 or 263, OR PSY 230 OR SBS 200 3
- Economics: *ECON 200 3
- *If you count ECON 200 towards your Tier II Indiv, substitute a technical elective
- General Chemistry: CHEM 151 AND CHEM 152 4
- Soil Science: ENVS 200 and 201 4
- General Biology: MCB 181R/L: Intro Biol I 4
- ECOL 182R/L: Intro Biol II 4

### Graduation Requirements

- at least 120 units
- 42 upper division units
- 30 or more units completed at the UA
- at least a 2.0 major and cumulative GPA
- Mid-career writing assessment fulfilled with a B or higher in English Composition OR with Technical Writing requirement.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite?</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite?</th>
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<tr>
<td>CHEM 151 OR CHEM 141 AND 143</td>
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<td>MATH 112 or placement</td>
<td>CHEM 152 OR CHEM 142 AND 144</td>
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<td>ENGL 102</td>
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<td>RNR 200 Conservation of Natural Environments</td>
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<td>ECOL 182R and L General Biology Lecture and Lab</td>
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<td>MATH 112 College Algebra</td>
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<td>Tier 1 Traditions and Cultures</td>
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<td>MATH 112 or placement</td>
<td>ENVS 200, 201: Soil Science lab and lecture</td>
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<td>RNR 230R Field Botany lecture</td>
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<td>MATH 112 or placement</td>
<td>ECON 200 (Economics)</td>
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<td>RNR 230L Field Botany lab</td>
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<td>RNR 384 Natural Resources Management Practices</td>
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<td>MCB 181R and L General Biology Lecture and Lab</td>
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<td>MATH 112 or placement; 1st</td>
<td>Tier 1 Traditions and Cultures</td>
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<td>RNR 316 Natural Resources - Ecology</td>
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<td>ECOL 182R, ECOL 182L, RNR 230</td>
<td>RNR 321 Ecological Surveys and Sampling</td>
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<td>Statistics</td>
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<td>RAM 382 Rangeland Plant Communities</td>
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<td>RNR 230R and RNR 230L</td>
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<td>Technical Writing: ENGL 308, 313, 340, or 414, ENVS 408 or 415</td>
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<td>RAM 446 Management and Restoration of Wildland Vegetation</td>
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<td>RAM 456a Rangeland Inventory and Monitoring</td>
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<td>RAM 487 Rangeland Management Planning (odd years only)</td>
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<td>Technical Electives</td>
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<td>RAM 436a Grazing Ecology &amp; Management</td>
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<td>RNR 480 Natural Resources Policy and Law</td>
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<td>RNR 200</td>
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</table>

Diversity Emphasis: One general education course must have the non-Western Civilization, Gender, Race, Class, Ethnicity designation
2nd semester language proficiency required—not included in this plan

Catalog Year 2020-21
POTENTIAL CAREER TRACKS

**Restoration Ecologist/ Preserve Manager**
ECOL 406R  AREC 350
ECOL 406L
4 units from the following:
PLS 360  PLS 312
3 units from the following:
RNR 438  WSM 408
6-8 units from the following:
ENVS 461  WFSC 444
RNR 403

**Peace Corps/ International Conservation & Development**
At least 2 semesters of a second language, and 4 recommended
1 course from the following:
ANTH 202  GEOG 210
GEOG 373
1 course from the following:
ANTH 331  GEOG 380
1 course from the following:
AGTM 422  SOC 333
PSYC 360

**Additional Career Tracks:**
Tribal Range Management Specialist
Soil Science GS-5, Office of Personnel Management
Cooperative Extension
OPM Botanist GS-5
Environmental Law and Policy
Environmental Assessment
Wildlife Biologist GS-5 Office of Personnel Management

For further details on any of these potential career tracks, see your faculty advisor.

**Range Management Specialist GS-5 Office of Personnel Management & Society for Range Management Certification**
PLS 360  ENVS 431
ACBS 477
9 units from the following:
ECOL 406R&L
RNR 438  WFSC 455R
WFSC 441  WSM 460
WFSC 444  WSM 462
WSM 465  WSM 468

Strongly Recommended:
RNR 403 or RNR 417

**Research in Rangeland Science & Management**
ENG 414  RAM 499
RNR 492
3 units from the following:
PHIL 202  PHIL 421
PHIL 305
9 units from the following:
MATH 113  ENVS 431
PHYS 102  CHEM 241a
GEOS 251  CHEM 243a

**Environmental Communication, Education, and Interpretation**
6 units from the following:
AGTM 422  JOUR 413
AED 438  SOC 333
JOUR 455  PSYC 329
JOUR 472  PSYC 374

6 units from the following:
ANTH 202  ANTH 409
ANTH 307  ECOL 406R
ANTH 331  WFSC 444
WSC 447

6 units from the following:
AREC 476  GEOG 210
GEOG 373  GEOG 380
GEOG 459

**Range Management**
PLS 360  ACBS 431
ACBS 336A or ACBS 477
9 units from the following:
ECOL 406L  WFSC 455L
ECOL 406R  WFSC 455R
RNR 438  WSM 460A
WFSC 441  WSM 462
WFSC 444  WSM 468
WFSC 447

3 units from the following:
ACBS 213  ACBS 477
ACBS 315R  ACBS 480B
ACBS 480B  ACBS 336A
ACBS 217

3 units from the following:
GEOG 483  RNR 422
RNR 403  ENVS 461
RNR 417  WSM 330

**Ecologist Series GS-5 Office of Personnel Management**
6 units from the following:
PHYS 102  HWR 250
ATMO 171  GEO 251

6 units from the following:
ECOL 183  WFSC 441
ECOL 320  WFSC 444
ECOL 380  ECOL 472
ECOL 406R  ECOL 482
ECOL 438  ECOL 485

Strongly Recommended:
RNR 403 or RNR 417

**Natural Resources Planning**
1 unit from the following:
AREC 217  AREC 373
AREC 350  AREC 476

3 units from the following:
ATMO 171
PLG 301

3 units from the following:
GEOG 371  GEOG 459
GEOG 401a  GEOG 461
GEOG 401b  GEOG 465

Strongly Recommended:
ENVS 453
RNR 403 or RNR 417

**Soil Conservation GS-5 Office of Personnel Management**
ENVS 431  PLS 312
ENVS 461  PLS 360

Strongly Recommended:
CHEM 241  CHEM 243
RNR 403 or RNR 417