

**BS in Natural Resources, Ecology, Management and Restoration of Rangelands option** catalog year 2019-20

**General Education Requirements**

<b>English Composition</b>		
ENGL 101 and ENGL 102	3	3
OR ENGL 106, 107 and 108	3	3
OR ENGL 109H		3

**2nd Language**  
(2<sup>nd</sup> semester proficiency by credit or exam; C or better)

**Tier I**

Individuals and Societies: Select 2 courses from 150s		3	
		3	
Traditions and Cultures: Select 2 courses from 160s		3	
		3	

NOTE: you do not need any 170A, B, C courses

**Tier II**

Art or Humanities		3	
		3	

\*Individuals and Societies: ECON 200 suggested

**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.

**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 Individ, substitute a technical elective			
General Chemistry: CHEM 151 AND CHEM 152	4	4	
Soil Science: ENVS 200 and 201		4	
General Biology: MCB 181R/L: Intro Biol I		4	
ECOL 182R/L: Intro Biol II		4	

**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) select one course from each area**

Math: MATH 109C or MATH 112			3
Technical Skills: RNR 403, RNR 417, RNR 429, GEOG 330, WSM 460, WSM 462			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 456A Rangeland Inventory and Monitoring (Fall)			4
RAM 487 Rangeland Management Planning (Odd Springs)			2

**Technical Electives (26 units):**

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<ul style="list-style-type: none"> <li>at least 120 units</li> <li>42 upper division units</li> <li>30 or more units completed at the UA</li> </ul>	<ul style="list-style-type: none"> <li>at least a 2.0 major and cumulative GPA,</li> <li>Mid-career writing assessment fulfilled with a B or higher in English Composition OR with Technical Writing requirement.</li> </ul>
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