

**BS in Natural Resources, Global Change Ecology and Management option** catalog year 2019-20

**General Education Requirements**

English Composition  
 ENGL 101 and ENGL 102 3\_\_ 3\_\_  
 OR ENGL 106, 107 and 108 3\_\_ 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  
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Traditions and Cultures: Select 2 courses from 160s  
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NOTE: you do not need any 170A, B, C courses

**Tier II**

Art or Humanities  
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\*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

Physics: PHYS 102 3\_\_

General Chemistry: CHEM 151 AND CHEM 152 4\_\_ 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 113 OR MATH 122B OR MATH 125 3 or 5  
 Technical Skills: RNR 403, RNR 417, GEOG 330, 3\_\_  
 RNR 429, RAM 456A, RAM 446  
 Technical Writing: ENGL 308, ENGL 313, ENGL 340, 3\_\_  
 ENGL 414, ENVS 408, ENVS 415  
 Oral or Media Communication: ALC 422, COMM 119, 3\_\_  
 COMM 113, JOUR 455, JOUR 472, RNR 485A, SBE 202, SCI 401 3\_\_  
 SNRE requirement 3\_\_

**Option Specific Courses (33 units)**

RNR 101 Global Sustainability and Natural Resources (Fall) 3\_\_  
 RNR 440 Climate Change Adaptation (Fall) 3\_\_  
 RNR 496G Climate Assessment (Spring) 3\_\_  
 GEOS 430 The Climate System (Spring) 3\_\_  
 GEOS 478 Global Change Ecology (Fall) 3\_\_  
 Policy, Law, Economics (select 1) 3\_\_  
 AREC 360, AREC 476, AREC 479, RNR 485  
 Environment Elective (Select 1) 3 or 4\_\_  
 RNR 458 Ecosystem Ecology (Spring)  
 WSM 452 Dryland Ecohydrology (Fall)  
 Earth Systems and Global Change Elective (select 1) 3\_\_  
 Biological Systems Elective (select 1) 3 or 4\_\_  
 Human Systems elective (select 1) 3\_\_  
 Management elective (select 1) 3 or 4\_\_

**Technical Electives (11 units):**

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**Graduation Requirements**

- at least 120 units
- at least a 2.0 major and cumulative GPA,
- 42 upper division units
- Mid-career writing assessment fulfilled with a B or higher in English Composition OR with Technical Writing requirement.
- 30 or more units completed at the UA