### BS in Natural Resources, Global Change Ecology and Management option

#### General Education Requirements

**English Composition**
- ENGL 101 and ENGL 102: 3 units
- OR ENGL 109H: 3 units
(grade of B or higher is required)

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

#### Tier I

**TRADS: Traditions and Cultures:** Select 2 courses with different letters from the 160A, B, C, or D series: 3 units

**INDIVS: Individuals and Societies:** Select 2 courses with different letters from the 150A, B, C series: 3 units

*NATS: Natural Sciences satisfied by the major foundation courses* (Courses in the 170A, B, C series if non-science major)

#### Tier II

**Art or Humanities:** 3 units

*NATS (Natural Sciences) satisfied by the major foundation courses*  
*INDV satisfied by the major foundation courses*  
*One general education course must have the non-Western Civilization, Gender, Race, Class, Ethnicity designation*

#### Major Foundation Courses

- **Calculus:** MATH 113, 122A/B, or 125: 3 units or 5 units
- **Statistics:** MATH 163 or 263: 3 units
- **Technical Writing:** 1 course
- **ENGL 308 OR 414, OR AGTM 422,**  
  **OR SWES 408 OR 415:** 3 units
- **ECON 200 or 201A (Tier II INDIV):** 3 units
- **General Chemistry (Tier I NATS):**  
  - CHEM 151, CHEM 152: 4 units
  - Additional Physical Science: 1 course  
  - PHYS 102: 3 units
  - General Biology:  
    - MCB 181R/L: Intro Biol I (Fall; Tier II NATS): 4 units  
    - ECOL 182R/L: Intro Biol II (Spring): 4 units

#### Option Specific Courses (36 units)

- RNR 101: Sustainability and Natural Resources (Fall): 3 units  
- RNR 351: Ecosystem Services: Science and Management: 3 units
- RNR 440: Climate Change Adaptation (Spring): 3 units
- GEOS 478: Global Change Ecology (Fall): 3 units
- RNR 480: Natural Resources Policy and Law (Spring): 3 units
- RNR 458: Ecosystem Ecology (Spring)  
  **OR**  
  - WSM 452: Dryland Ecosystem Ecology (Fall): 3 units
- Earth Systems and Global Change Elective: select 1  
  (see list)

*One general education course must have the non-Western Civilization, Gender, Race, Class, Ethnicity designation*  
*NATS satisfied by the major foundation courses*  
*INDV satisfied by the major foundation courses*  
Skills and Tools Elective select 1  
(see list)

**Biological Systems Elective:** select 1  
(see list)

**Human Systems Elective:** select 1  
(see list)

**Management Elective:** select 1  
(see list)

#### Technical Electives (10) to reach 120 units:

- **Technical Electives (10) to reach 120 units:**

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