

**BS in Natural Resources, Fisheries Conservation and Management option** catalog year 2020-21

**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  
 \_\_\_\_\_ 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\_\_

\*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 I 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 450 4\_\_ 4\_\_

Additional Physical Science (select 1): 4\_\_  
 CHEM 241A and 243A or PHYS 102 and 183  
 or ENVS 200 and 201, or GEOS 251

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/Spring) 3\_\_  
 RNR 321: Ecological Surveys and Sampling (Fall/Spring) 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 495A, SBE 202, SCI 401  
 SNRE requirement 3\_\_  
 \_\_\_\_\_ 1\_\_

**Option Specific Courses (28 units)**

Genetics: PLS 312 OR ECOL 320/H 4\_\_  
 Plants: RAM 382 Rangeland Plant Communities (Sp) 3-4\_\_  
 ENVS 474 Aquatic Plants and the Environment (F) or  
 ENVS 475 Freshwater and Marine Algae (Sp)  
 WSM 468 Wildland Water Quality (Spring) 3\_\_  
 WFSC 471 Stream Ecology (Fall) 3\_\_  
 WFSC 455 R and L Fishery Management (even Sp) 4\_\_  
 Additional Management course (select 1): 4\_\_  
 \_\_\_\_\_ WFSC 444 Wildlife Ecol, Cons, Mang  
 \_\_\_\_\_ WFSC 456 Aquaculture  
 ECOL 482 Ichthyology (odd year Fall) 4\_\_  
 Additional Organismal Biology course (select 1):  
 ENTO 405 Aquatic Entomology or ECOL 483 Herpetology 4\_\_  
 or ECOL 484 Ornithology, or ECOL 485 Mammalogy

**Technical Electives (13 units):**

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**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.