

“W” Number: _____
 Student Name: _____
 Advisor Name: _____

Catalog: 2021-2022 University of Wyoming Catalog
 Program: Environment & Natural Resources, B.S. or
 Concurrent Major

Environment & Natural Resources, B.S. or Concurrent Major

Environment & Natural Resources (ENR) students will gain depth and breadth across a range of interdisciplinary fields that engage with complex ENR ideas and challenges, with the goal of integrating across fields of study.

Students can choose to pursue:

- a concurrent major in ENR, earned alongside an approved baccalaureate degree in any other discipline, or
- B.S. in ENR, earned alongside an additional major in any other discipline.

The ENR curriculum is designed to prepare students to demonstrate learning in six key areas:

1. Specialization & Integration - Students will complement their disciplinary depth with broad exposure to ENR-related disciplines and approaches.
2. Spatial & Temporal Perspectives - Students will understand the temporal and spatial characteristics of ENR challenges.
3. Policy - Students will recognize the content and implications of past and current ENR policies.
4. Cultures & Values - Students will appreciate the diversity of ENR perspectives and experiences, including the role of personal and collective value systems and structural inequalities in shaping those systems.
5. Complexity, Risk, & Uncertainty - Students will understand that ENR problems inherently involve complexity, risk, and uncertainty.
6. Professional & Academic Skills - Students will acquire specific skills necessary to succeed in a range of ENR professions and/or graduate and professional school, especially proficiency in written and oral communication, applied problem solving, and collaboration.

All undergraduate students in ENR complete their coursework in conjunction with another major in any discipline.

Students must complete 36+ hours of coursework in ENR, including:

15+ Credit Hours of ENR Core Courses:

Foundations of Environmental Science

(Choose one course):

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENR1200 - Environment	Credits: 4			
ENR1500 - Water, Dirt, and Earth's Environment	Credits: 4			
GEOL1500 - Water, Dirt, and Earth's Environment	Credits: 4			

Environment & Society

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENR2000 - Environment and Society	Credits: 3			

Approaches to Problem Solving

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENR3000 - Approaches to ENR Problem Solving	Credits: 3			

Environmental Assessment

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENR4900 - ENR Policy in Practice	Credits: 3			

Applied Experience (2 credits)

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENR4970 - ENR Internship	Credits: 1-6			

21+ Credit Hours of ENR Disciplines Courses:

Cultures & Values

(Choose one course):

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENR3050 - Cultures of Nature in the United States	Credits: 3			
AMST3050 - Cultures of Nature in the United States	Credits: 3			

ENR4030 - Ecology of Knowledge	Credits: 3			
AMST4030 - Ecology of Knowledge	Credits: 3			
ENR4310 - Environmental Anthropology	Credits: 3			
ANTH4310 - Environmental Anthropology	Credits: 3			
ENR4412 - Global Environment History	Credits: 3			
HIST4412 - Global Environment History	Credits: 3			
HIST4475 - American Environmental History	Credits: 3			
ENR2330 - Environmental Ethics	Credits: 3			
PHIL2330 - Environmental Ethics	Credits: 3			
ENR3620 - Environmental Justice	Credits: 3			
POLS3620 - Environmental Justice	Credits: 3			
ENR3950 - Environmental Sociology	Credits: 3			
SOC3950 - Environmental Sociology	Credits: 3			
GEOG3400 - Traditional Ecological Knowledge	Credits: 3			
NAIS3400 - Traditional Ecological Knowledge	Credits: 3			
GEOG4570 - Cultural Geography	Credits: 3			
HLED4020 - Food, Health, and Justice	Credits: 3			
ORTM4901 - Human Dimensions of Outdoor Recreation and Tourism Management	Credits: 3			
GWST4450 - Ecofeminism	Credits: 3			

Economics

(Choose one course):

Course Name	Credits:	Term Taken	Grade	Gen Ed
AGEC4720 - Water Resource Economics	Credits: 3			
ECON2400 - Economics of the Environment	Credits: 3			
ENR3750 - Natural Resource Planning and Economics	Credits: 3			
AGEC3750 - Natural Resource Planning and Economics	Credits: 3			
ENR4560 - Conservation Entrepreneurship	Credits: 3			
ERS3400 - Energy Markets & Policy	Credits: 3			
GEOG3050 - Economic Geography	Credits: 3			

Environmental Management

(Choose one course):

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENR4800 - Historic Preservation	Credits: 3			
AMST4800 - Historic Preservation	Credits: 3			
ENR4430 - Green Chemistry and Global Environmental Problems	Credits: 3			
CE4430 - Green Chemistry and Global Environmental Problems	Credits: 3			
ENR2450 - Fish and Wildlife Management in the Anthropocene	Credits: 4			
ZOO2450 - Fish and Wildlife Management in the Anthropocene	Credits: 4			
ERS3010 - Air Quality Management	Credits: 3			
ENR4040 - Conservation of Natural Resources	Credits: 3			
GEOG4040 - Conservation of Natural Resources	Credits: 3			
GEOG4080 - Management of Major River Basins	Credits: 3			
GEO3400 - Geologic Hazards: A Historical and Scientific Review	Credits: 4			
GEO3650 - Energy for Society: Addressing the Energy Grand Challenge	Credits: 4			
REWM2000 - Principles of Rangeland Management	Credits: 3			
REWM4700 - Wildland Watershed Management	Credits: 3			

Data Analysis

(Choose one course):

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENR4550 - Negotiation Analysis	Credits: 3			
AGEC4550 - Negotiation Analysis	Credits: 3			
ENR4525 - Environmental Data Analysis	Credits: 4			
GEO4525 - Environmental Data Analysis	Credits: 4			

ESS4001 - Analysis of Nature's Data	Credits: 3			
GIST2310 - Intro to Geographic Information Systems	Credits: 4			
GIST2150 - Introduction to Programming in Geospatial Information Science and Technology	Credits: 3			
GIST2140 - Survey of Remote Sensing Applications	Credits: 3			
GIST4130 - Applied Remote Sensing for Agricultural Management	Credits: 3			
RNEW4130 - Applied Remote Sensing for Agricultural Management	Credits: 3			
STAT3050 - Statistical Methods	Credits: 3			

Physical & Natural Science

(Choose one course):

Course Name	Credits:	Term Taken	Grade	Gen Ed
ATSC2100 - Global Warming: The Science of Humankind's Energy Consumption Impacting Climate	Credits: 3			
ATSC2200 - Severe and Unusual Weather	Credits: 3			
ENR3100 - Principles of Wildland Water Quality	Credits: 3			
REWM3100 - Principles of Wildland Water Quality	Credits: 3			
ENR4285 - Wildland Hydrology	Credits: 3			
REWM4285 - Wildland Hydrology	Credits: 3			
ENR3130 - Environmental Quality	Credits: 3			
SOIL3130 - Environmental Quality	Credits: 3			
GEOG4460 - Biogeography	Credits: 3			
ENR3450 - Weather and Climate	Credits: 3			
GEOG3450 - Weather and Climate	Credits: 3			
ENR4010 - Winter Ecology: Skills of the Winter Naturalist	Credits: 1			
AND				
ENR4011 - Winter Ecology: Snowpack Science and Dynamics	Credits: 1			
AND				
ENR4012 - Winter Ecology: Wildlife and Plant Adaptations	Credits: 1			
ESS3480 - Environmental Change	Credits: 3			
GEOG3480 - Environmental Change	Credits: 3			
GEOG4440 - Advanced Global Climate Variability	Credits: 3			
LIFE3400 - General Ecology	Credits: 3			
REWM4440 - Applied Fire Ecology	Credits: 3			

Policy

(Choose one course):

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENR3300 - Environmental Policy, Conservation and Development in India	Credits: 3			
ENR4750 - ENR Law and Policy	Credits: 3			
ENR4051 - Environmental Politics	Credits: 3			
GEOG4051 - Environmental Politics	Credits: 3			
POLS4051 - Environmental Politics	Credits: 3			
ENR4052 - Federal Land Politics	Credits: 3			
GEOG4052 - Federal Land Politics	Credits: 3			
POLS4052 - Federal Land Politics	Credits: 3			
INST4455 - Energy Security	Credits: 3			
POLS4455 - Energy Security	Credits: 3			
POLS4475 - Politics of Natural Resources in Latin America	Credits: 3			
INST4990 - Topics:	Credits: 1-6			

ENR Electives

(Choose one course; three credits required):

Course Name	Credits:	Term Taken	Grade	Gen Ed

ENR2300 - Foundations of Sustainability	Credits: 3			
ENR2800 - Introduction to Outdoor Leadership	Credits: 3			
ENR3900 - Seminar in Environment and Natural Resources	Credits: 1-3			
ENR4450 - Negotiation	Credits: 3			
ENR4600 - Campus Sustainability	Credits: 3			
ENR4890 - Topics in Environment and Natural Resources	Credits: 1-6			
ENR4960 - Field Studies in:	Credits: 1-6			

An Approved Major in Any Discipline

All undergraduate students in ENR complete their coursework in conjunction with another major in any discipline.

Students can choose to pursue:

- a concurrent major in ENR, earned alongside an approved baccalaureate degree in any other discipline, or
- B.S. in ENR, earned alongside an additional major in any other discipline.

Haub School Requirements (for B.S. ENR only)

Students earning a B.S. in ENR with their degree awarded from the Haub School must additionally complete 6 credit hours of Haub School Requirements:

1. U.S. Diversity (choose one)
2. Global Awareness (choose one)

Additional Requirements:

Students complete additional credit hours in consultation with advisor(s) if needed to meet minimum credits to earn a B.S. in ENR (minimum 120 credits, including 42 upper division credits) or to meet primary degree requirements.

Additionally, students must:

- earn a C or better in all courses fulfilling program requirements - including Haub School U.S. Diversity and Global Awareness courses, and degree, major, and/or minor courses;
- earn 12 credits unique to each program when enrolled in multiple Haub School programs;
- meet University of Wyoming requirements for earning a bachelor's degree, including, but not limited to, completion of University Studies Program and maintaining minimum 2.0 GPA for good academic standing and graduation.

Notes: