bachelor of science **ENVIRONMENTAL SYSTEMS SCIENCE**

major or minor **ENVIRONMENT & NATURAL RESOURCES**

minor **OUTDOOR LEADERSHIP**

minor **SUSTAINABILITY**
set yourself apart by adding depth to your fields of study
broaden your understanding of complex environmental issues
make connections in creative, innovative, and exciting ways
ENVIRONMENTAL SYSTEMS SCIENCE

study the physical, biological, and human components of the Earth system through data collection, statistical analysis, information technology, and modeling

environmental consultants
natural resource specialists
research scientists
hydrologists
environmental engineers
environmental lawyers
ENVIRONMENTAL SYSTEMS SCIENCE

FOUNDATIONS (23 credit hours)
- System Science
- Biological Science
- Earth Science
- Physical Science

SPHERES (15 credit hours)
- Atmosphere
- Anthrosphere
- Biosphere
- Lithosphere

SKILLS & TOOLS (12 credit hours)
- Calculus
- Data Analysis
- GIS/Remote Sensing
- Applied Experience

MINOR (18+ credit hours)
- Agroecology
- Anthropology
- Biology
- Botany
- Chemistry
- Environment & Natural Resources
- Forest Resources
- GIS
- Geography
- Geology
- Insect Biology
- Land Surveying
- Paleo environmental Studies
- Rangeland Ecology & Watershed Management
- Reclamation & Restoration Ecology
- Soil Science
- Statistics
- Sustainability
- Wildlife & Fisheries Biology
- Zoology
Haub School majors and minors in **Environment & Natural Resources**, **Outdoor Leadership**, and **Sustainability** are earned *alongside* another major – which can be *anything* at UW.
build a broad understanding of complex environment and natural resource challenges and how they intersect with other disciplines

learn critical thinking and collaborative problem solving

environmental consultants
environmental scientists
wildlife biologists
game wardens
interpretive park rangers
range technicians
major ENVIRONMENT & NATURAL RESOURCES

CORE (15 credit hours)
- Foundations of Environmental Science
- Environment & Society
- Approaches to Problem Solving
- Environmental Assessment
- ENR Internship

ENR DISCIPLINES (21 credit hours)
- Cultures & Values
- Economics
- Environmental Management
- Physical & Natural Science
- Policy
- Scientific Uncertainty
- ENR Elective
minor ENVIRONMENT & NATURAL RESOURCES

CORE (18 credit hours)

- Foundations of Environmental Science
- Environment & Society
- Approaches to Problem Solving
- Environmental Assessment
- ENR Internship
- ENR Elective
minor OUTDOOR LEADERSHIP

problem solve, discuss **ethics**, develop **outdoor skills**, and practice **decision making**

environmental educators
nature and outdoor center guides
wilderness instructors

outdoor recreation business owners
interpretive park rangers
nature center naturalists
minor OUTDOOR LEADERSHIP

FOUNDATIONS (6 credit hours)
- Outdoor Leadership
- Environmental Science

CONCEPTS (9 credit hours)
- Field Ecology
- Leadership
- Ethics & Culture

FIELD APPLICATIONS (3 credit hours)
- Wyoming Conservation Corps
- NOLS Experience
- Other Internship
- Ethics & Culture

WILDERNESS FIRST RESPONDER CERTIFICATION
- WFR & CPR certification
understand, analyze, and implement **sustainable solutions**

**general:** design, environment, and culture/society

**food systems:** ecological, economic, policy, cultural, and social justice aspects of our food system

**energy:** water, climate, and community health and development aspects of a sustainable energy future

- event planners
- recycling managers
- sustainable designers
- corporate social responsibility managers
- energy managers
- public relations specialists
minor SUSTAINABILITY

FOUNDATIONS (3 credit hours)
- Foundations of Sustainability

ETHICS (3 credit hours)
- Environmental Ethics

TRACK/ELECTIVES (9 credit hours)
- General Sustainability
- Food Systems
- Energy

CAPSTONE
- Campus Sustainability
WHAT MAKES US UNIQUE?

skills & tools
interdisciplinarity
international opportunities
field experiences
community
personal connection
STUDY
ENR law & policy
environmental science
human dimensions
natural resource management
quantitative analysis

GAIN SKILLS
collaboration
connecting diverse disciplines
written and oral communication
real-world problem solving
professional skills
LIFE AFTER UW
professional work of Haub School alumni

PRIVATE SECTOR 26%
Environmental Consulting | Energy Industry

GOVERNMENT 25%
US Fish & Wildlife Service | US Forest Service

POST SECONDARY EDUCATION 21%
Graduate Studies | College or University Teaching

NONPROFIT OR NGO 18%
The Nature Conservancy | Wyoming Humanities Council

SELF EMPLOYED 5%

OTHER 5%
LIFE AFTER UW
professional work of Haub School alumni

Trout Unlimited
University of Wyoming
Wyoming Wildlife and Natural Resource Trust
Bureau of Indian Affairs
Wyoming Department of Environmental Quality
The Dow Law Firm
Trihydro Corporation
EnCana Oil & Gas
Oceanica Consulting
The Nature Conservancy
Bureau of Land Management
Wyoming Game and Fish Department
Minnesota State University Moorhead
Anadarko Petroleum Corporation

Bristol Bay National Outreach Director
Energy Outreach Coordinator
Grants Manager
Natural Resources Range Technician
Natural Resources Program
Associate Attorney
Environmental Scientist
Environmental Field Coordinator
Marine Scientist/Commercial Diver
External Relations Manager
Law Enforcement Ranger
Wildlife Management Coordinator
Sustainability Coordinator
Landman
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