Program Overview

Degree options in the ESM Department are geared toward getting you ready for your career in the Environmental Science and Management field. A broad range of classes creates a wide knowledge base and develops the highest level of skills. Graduates of our programs are known throughout the country for being the best prepared job candidates. Potential employers will recognize the quality of your HSU education.

The Ecological Restoration concentration will train you in the principles and practices of ecological restoration and help you develop skills in communication, critical thinking and environmental decision-making.

The Energy and Climate concentration is designed to provide you with a foundation in climate science, as well as the interdisciplinary understanding of energy technologies, economics, and policies necessary to effect change.

Environmental Education and Interpretation centers on the connection made between people and natural resources. Interpretation students focus on this connection through the art and science of communication in order to inspire understanding and appreciation of the natural and cultural world.

Environmental Planning and Policy focuses on how to best manage our use of natural resources today while sustaining the ecosystems they are drawn from for the future. This major offers study that centers on the relationship between people and the natural environment.

Geospatial Science allows environmental scientists and resource managers to better understand and manage challenges related to socio-environmental issues such as food, energy, public health, and natural resources, including management and conservation of wildlife, fisheries, oceans, forests, range-lands and soils.

Would you like to be a park or wilderness ranger in the soaring peaks of the Rocky Mountains or Sierra Nevada? Natural Resources Recreation focuses on managing and providing satisfying outdoor recreation opportunities for today, while protecting our natural resources for tomorrow.

Bachelor of Science

Concentrations available in:
- Ecological Restoration
- Energy & Climate
- Environmental Education & Interpretation
- Environmental & Natural Resources Recreation
- Environmental Planning & Policy
- Geospatial Science

Minors
- Ecological Restoration
- Environmental Education & Interpretation
- Environmental & Natural Resources Planning
- Environmental Policy
- Natural Resources
- Natural Resources Recreation

Related Careers
- Climate Change Specialist
- Coastal Restoration Assistant
- Coastal Program Analyst
- Ecologist
- Energy Analyst
- Environmental Lawyer
- Environmental Planner
- Environmental Scientist
- Geospatial Analyst
- Habitat Restoration Specialist
- Interpretive Naturalist
- Outdoor Recreation Specialist
- Park Naturalist
- Park Ranger
- Policy Advisor

Some of the careers listed may require additional or specialized coursework.

For more information

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2019-20 Academic Year