



Program in Environmental and Ecosystems Sciences School of the Environment

Degree Options

Bachelor of Science in Earth and
Environmental Sciences

Major

Environmental and Ecosystem Sciences

Minors

Earth Sciences
Environmental Science
Forestry
Geospatial Analysis
Natural Resources
Wildlife Ecology

Program Strengths

- Benefit from a program that prepares students to address the challenges of global change, environmental and resource conservation, and sustainability
- Choose from three campuses— Pullman, Vancouver, and Tri-Cities
- Acquire hands-on experience from campus ecology laboratories, field camps, internship programs, and study abroad opportunities
- Work closely with professors who are nationally recognized for:
 - Environmental science
 - Conservation biology and genetics
 - Climate change biology
 - Landscape and restoration ecology
 - Aquatic ecology and water resource management
 - Plant and wildlife ecology and management
 - Earth science
- Benefit from a flexible interdisciplinary science curriculum that prepares you for numerous careers and graduate school that inspire you to make a difference in the real world
- Academic and professional advising throughout your time here to support your optimum scholarly, professional and personal growth

Admission to the Major Requirements

Students may be admitted as Environmental and Ecosystems Sciences majors upon declaring their intent to the department.

Suggested Classes for Freshmen

BIOL 106: Introductory Biology: Organismal Biology
CHEM 101: Introduction to Chemistry
OR CHEM 105: Principles of Chemistry I
SOE 110: The Environment, Human Life, and Sustainability
MATH 106: College Algebra
MATH 108: Trigonometry

Suggested Classes for Transfer Students

SOE 275: Watersheds and Communities
SOE 285: Science and Policy of Climate Change
SOE 311: Modeling the Environment
SOE 315: Water and the Earth
SOE 300: Natural Resource Ecology
OR BIOL 372: General Ecology
SOE 312: Natural Resources and Society
SOE 461: Watershed Management
SOILS 368: Introduction to Geographic Information Systems

Math Requirement

MATH 106: College Algebra
MATH 108: Trigonometry
STAT 212: Introduction to Statistical Methods
Advanced statistics course

School of the Environment Core Courses

Ecology, Earth Systems, Water Science, Modeling and Spatial Analysis, Society and Environmental Management, Statistics, Advanced Communications, Integrated Capstone, Experiential Learning Opportunity

Environmental and Ecosystem Sciences Core Courses

The flexible core allows students to choose a large block of advanced professional electives in areas such as Animal Ecology, Climate Change, Biology, Ecosystem Ecology, Landscape Ecology and Management, Plant Ecology, Restoration Ecology, Spatial/Quantitative Ecology, Advanced Conservation Science, Advanced Earth Science, Environmental Management and Sustainability, Advanced Environmental Policy and Social Science, Water Resource Management and Sustainability, Physical and Biological Oceanography, Aquatic Ecosystem and Water Science, Seminars/Special Topics/Minors/Senior Thesis/Study Abroad.

Student Clubs

Environmental Science Club
Geology Club
The Wildlife Society
Forestry Club

Career Options

Conservation biologist or hydrologist
Aquatic, stream or wetland ecologist
Water resource specialist
Landscape or forest ecologist or manager
Restoration ecologist
Environmental engineer, educator, or consultant
Range manager
Land, watershed, natural area, park
or wildlife refuge manager
Resource policy advisor
Sustainability program coordinator
Federal Farm Program or Conservation District staff
Numerous international options

For more information:

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Advisor – Pullman campus

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Notes:

The School of the Environment is affiliated with both the College of Arts and Sciences and the College of Agricultural, Human, and Natural Resource Sciences.