ENVIRONMENTAL STUDIES MAJOR WITH SCIENCE FOCUS

Requirements

Degree Requirements

This major is available as a bachelor of arts or bachelor of science degree, as defined in the section on degree requirements (http://catalog.linfield.edu/degrees-and-programs/undergraduate/ba-bs-bsn/) for all majors in this catalog.

Students in the science focus will be expected to exhibit greater depth with respect to the scientific aspects of the preceding goals. It is highly recommended ENVS students considering graduate school also take MATH 140 and 170.

Major Requirements

51-53 credits distributed as follows:

Code	Title	Credits
Core Courses:		
ENVS 201	ENVIRONMENTAL SCIENCE	4
ENVS 202	ENVIRONMENTAL GOVERNANCE	4
ENVS 460	SENIOR CAPSTONE I: ENVIRONMENTAL RESEARCH METHODS	4
ENVS 470	SENIOR CAPSTONE II: ENVIRONMENTAL PROJECT	4
BIOL 285	PRINCIPLES OF ECOLOGY	5
Focus Courses:		
ENVS 230	INTRODUCTION TO GIS	4
Biology Series (BIOL 210 & BIOL 211) OR Chemistry Series (CHEM 210 & CHEM 211)		8
ECON 210	PRINCIPLES OF ECONOMICS	4
ECON 341	ENVIRONMENTAL ECONOMICS	4
or ECON 342	NATURAL RESOURCE ECONOMICS	
Electives		
Select one of the following Social Science or Humanity electives:		3-4
ECON 341	ENVIRONMENTAL ECONOMICS [1]	
or ECON 342	NATURAL RESOURCE ECONOMICS	
CRWR 289	NW ECOLOGY AND ENVIRONMENTAL WRITING	
ENGL 304	LITERATURE AND LANDSCAPE	
ENVS/SOAN 203	HUMAN ADAPTIVE STRATEGIES	
ENVS/SOAN 250	ENVIRONMENT, SOCIETY, AND CULTURE (ALSO LISTED AS SOAN 250)	
ENVS 210	PRINCIPLES OF SUSTAINABILITY	
ENVS 300	TOPICS IN ENVIRONMENTAL POLICY	
ENVS 304	CLIMATE CHANGE: CAUSES, CONSEQUENCES, AND MITIGATION	
ENVS 309	RELIGION AND NATURE (ALSO LISTED AS RELS 306)	
ENVS 325	ENVIRONMENTAL LAW AND REGULATION	
ENVS 357	ENVIRONMENTAL COMMUNICATION AND ADVOCACY (ALSO LISTED AS JAMS 357 AND COMM 357)	

Select 7 credits minimum (at least 2 courses) of the following Natural 7-8 Science electives:

BIOL 330	INSECT BIOLOGY
BIOL 350	BIOL & IDENTIFICATION OF WOODY PLANTS
BIOL 380	MARINE ECOLOGY
BIOL 385	PLANT SYSTEMATICS
BIOL 410	ANIMAL BEHAVIOR
CHEM 321	ORGANIC CHEMISTRY
CHEM 322	ORGANIC CHEMISTRY
CHEM 335	QUANTITATIVE ANALYSIS
CHEM 350	INORGANIC CHEMISTRY I
CHEM 351	INORGANIC CHEMISTRY II
ENVS 302	SHORELINE ECOLOGY
ENVS 307	ENERGY & SUSTAINABILITY (ALSO LISTED AS PHYS 307)
ENVS 310	ENERGY RESOURCES: TRANSITIONS
ENVS 342	FRESHWATER ECOLOGY AND CONSERVATION
ENVS 360	FOREST ECOLOGY AND MANAGEMENT
ENVS 380	CONSERVATION BIOLOGY
ENVS 430	EPIDEMIOLOGY
ENVS 450	ENVIRONMENTAL HEALTH
ENVS 480	INDEPENDENT STUDY
ENVS 487	INTERNSHIP
ENVS 490	INDEPENDENT RESEARCH OR THESIS
PHYS 325	COMPUTATIONAL PHYSICS
Total Credits		**51-53**

[1] Must be different from what is taken as core.

Student Learning Outcomes

- Select appropriate methods and correctly apply them in investigating specific environmental problems at local, regional, and/or global scales.
- Critically examine the values, assumptions and contexts that organize human communities and their relationships with the biosphere.
- Collaborate with community partners and integrate multiple disciplinary perspectives in order to creatively analyze and take effective action to address issues of critical environmental concern.
- Effectively communicate environmental information to diverse audiences.