

# 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

60-62 credits distributed as follows:

Code	Title	Credits
<b>Core Courses:</b>		
ENVS 030 or ENVS 040 or ENVS 090	NATURAL HISTORY OF THIS PLACE WE INHABIT COMMUNITY SERVICE ENVIRONMENTAL ISSUES FORUM	1
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
<b>Focus Courses:</b>		
ENVS 230	INTRODUCTION TO GIS	4
BIOL 210	PRINCIPLES OF BIOLOGY	4
BIOL 211	PRINCIPLES OF BIOLOGY	4
CHEM 210	GENERAL CHEMISTRY	4
CHEM 211	GENERAL CHEMISTRY	4
ECON 210	PRINCIPLES OF ECONOMICS	4
ECON 341 or ECON 342	ENVIRONMENTAL ECONOMICS NATURAL RESOURCE ECONOMICS	4
<b>Electives</b>		
Select one of the following Social Science or Humanity electives:		3-4
ECON 341 or ECON 342	ENVIRONMENTAL ECONOMICS <sup>1</sup> NATURAL RESOURCE ECONOMICS	
ENGL 304	LITERATURE AND LANDSCAPE	
ENVS/ANTH 203	HUMAN ADAPTIVE STRATEGIES (ALSO LISTED AS ANTH 203)	
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	BIOLOGY AND IDENTITY 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 306	FIRE HISTORY OF THE CASCADES
ENVS 307	ENERGY & SUSTAINABILITY (ALSO LISTED AS PHYS 307)
ENVS 360	FOREST ECOLOGY AND MANAGEMENT
ENVS 380	CONSERVATION BIOLOGY
ENVS 440	EPIDEMIOLOGY (ALSO LISTED AS HSCI 440)
ENVS 450	ENVIRONMENTAL HEALTH (ALSO LISTED AS HSCI 450)
ENVS 480	INDEPENDENT STUDY
ENVS 487	INTERNSHIP
ENVS 490	INDEPENDENT RESEARCH OR THESIS
PHYS 325	COMPUTATIONAL PHYSICS
<b>Total Credits</b>	<b>60-62</b>

<sup>1</sup> 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.