

# ENVIRONMENTAL STUDIES BACHELOR OF ARTS DEGREE

As an interdisciplinary area of study, many Environmental Studies Major Field of Study Requirements also fulfill General Education requirements. By carefully selecting courses, most students have enough available open elective credits to fulfill a Minor Field of Study.

## Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Identify and explain key scientific principles involved in understanding environmental issues.
- Identify and explain key human concerns involved in understanding environmental issues.
- Identify and explain key policy and regulatory concerns involved in understanding environmental issues.

## Requirements

- Environmental Studies students must earn a minimum of 120 credits, including at least 36 upper-division credits.
- Students must earn a grade of "C-" or better in all Core Requirements and Track Electives.
- Many of the required Environmental Studies Core courses also fulfill General Education requirements.
- 12 additional Environmental Studies Core credits are required beyond those used in General Education.
- Students must complete at least one specialize "Career Oriented Track" of courses.
- Most Environmental Studies students also complete a Minor field of study (recommended).

## Required Courses

Code	Title	Credits
<b>General Education/Environmental Studies Core</b>		
Students should consult with an academic advisor before registering for General Education courses. In order to maximize credit options, Environmental Studies students should complete the following.		
<i>Global Academic Skills</i>		
Mathematics:		
STAT 216	Introduction to Statistics *	4
English:		
WRIT 101 or WRIT 121	College Writing I * Intro to Technical Writing	3
Communication & Information Literacy:		
COMX 111	Intro to Public Speaking *	3
<i>Natural Sciences</i>		
Life Sciences - Select one course & lab:		
BIOB 101 & BIOB 102	Discover Biology and Discover Biology Lab *	4
BIOB 160 & BIOB 161	Principles of Living Systems and Principles Living Systems Lab *	
Physical Sciences:		

GPHY 262 & GPHY 263	Spatial Sciences Tech and Appl and Spatial Sciences & Tech Lab *	4
<i>Social Sciences and History</i>		
Social Sciences:		
ECNS 201	Principles of Microeconomics *	3
History:		
Select from list ( <a href="https://catalog.msubillings.edu/undergraduate/general-education-requirements/">https://catalog.msubillings.edu/undergraduate/general-education-requirements/</a> )		
<i>Cultural Diversity</i>		
GPHY 121	Human Geography *	3
<i>Arts and Humanities</i>		
Fine Arts:		
Select from list ( <a href="https://catalog.msubillings.edu/undergraduate/general-education-requirements/">https://catalog.msubillings.edu/undergraduate/general-education-requirements/</a> )		
Humanities:		
Select from list ( <a href="https://catalog.msubillings.edu/undergraduate/general-education-requirements/">https://catalog.msubillings.edu/undergraduate/general-education-requirements/</a> )		
Subtotal		33
<b>Additional Environmental Studies Core Requirements</b>		
BIOE 202	Intro to Environmental Ecology	3
ENST 210	Intro to Environmental Studies	3
ENST 498	Internship/Cooperative Educ	3
ENST 499	Senior Thesis/Capstone	3
Select one additional (second) writing course from the following:		
WRIT 121	Intro to Technical Writing *	
WRIT 201	College Writing II	
WRIT 221	Intermediate Tech Writing	
Subtotal		15
<b>Career Oriented Tracks</b>		
Each student completes at least one of the four Tracks below.		
<i>1. GIS Skills</i>		
GPHY 282	Mapping Techniques	3
GPHY 380	Principles of GIS	3
GPHY 484	Applied GIS/Spatial Analysis	3
GPHY 491	Special Topics	3
Select two courses from:		
ARTH 455	Art & the Environment	
BGEN 440	Business and the Environment	
ENST 335	The Environmental Vision	
ENST 385	Envir Impact & Policy Analysis	
GPHY 494	Seminar/Workshop	
GPHY 498	Cooperative Educ/Internship	
HSTA 460	Montana and the West	
HSTA 470	American Environmental History	
NASX 350	Native Americans & Environment	
NASX 379	Federal Indian Law	
PHL 324	Nature, Culture, Ethics	
PSCI 365	Pub Policy Issues and Analysis	
SOCI 415	Sociology of Hunting & Poaching	
SOCI 470	Environmental Sociology	
Subtotal		18
<i>2. Environmental Advocacy</i>		
COMX 200	Exploring Comm Studies	3

COMX 330	Principles of Media Studies	3
COMX 341	Public Advocacy	3
HSTA 460	Montana and the West	3
or HSTA 470	American Environmental History	
Select two courses from:		6
ARTH 455	Art & the Environment	
BGEN 440	Business and the Environment	
COMX 320	Prin of Organizational Comm	
COMX 434	Political Communication	
ENST 335	The Environmental Vision	
ENST 385	Envir Impact & Policy Analysis	
GPHY 494	Seminar/Workshop	
NASX 350	Native Americans & Environment	
PHL 324	Nature, Culture, Ethics	
PSCI 365	Pub Policy Issues and Analysis	
SOCI 415	Sociology of Hunting & Poaching	
SOCI 470	Environmental Sociology	
Subtotal		18

### 3. Environmental Management and Policy

BGEN 440	Business and the Environment	3
or BMGT 322	Operations Management	
GPHY 282	Mapping Techniques	3
HSTA 460	Montana and the West	3
or HSTA 470	American Environmental History	
NASX 379	Federal Indian Law	3
PSCI 260	Intro to State and Local Govt	3
Select one course from:		3
ENST 335	The Environmental Vision	
ENST 385	Envir Impact & Policy Analysis	
GPHY 380	Principles of GIS	
GPHY 494	Seminar/Workshop	
NASX 350	Native Americans & Environment	
PHL 324	Nature, Culture, Ethics	
PSCI 365	Pub Policy Issues and Analysis	
SOCI 415	Sociology of Hunting & Poaching	
Subtotal		18

### 4. Eco-Spatial Analysis

BIOE 370	General Ecology	4
& BIOE 371	and General Ecology Lab	
BIOO 320	General Botany	3
BIOO 321	General Botany Lab	1
GPHY 282	Mapping Techniques	3
GPHY 380	Principles of GIS	3
GPHY 484	Applied GIS/Spatial Analysis	3
Select one course from:		3
BGEN 440	Business and the Environment	
ENST 335	The Environmental Vision	
ENST 385	Envir Impact & Policy Analysis	
GPHY 494	Seminar/Workshop	
HSTA 460	Montana and the West	
HSTA 470	American Environmental History	
NASX 350	Native Americans & Environment	

NASX 379	Federal Indian Law	
PHL 324	Nature, Culture, Ethics	
PSCI 365	Pub Policy Issues and Analysis	
SOCI 415	Sociology of Hunting & Poaching	
SOCI 470	Environmental Sociology	

Subtotal 20

**Language Requirement 8**

In Bachelor of Arts degrees requiring foreign language, the language requirement is satisfied by demonstrating proficiency in a language other than English equivalent to satisfactory completion of two semesters of college level work in that language. Many students use Foreign Language credits to complete this requirement; however, options are available for students fluent in non-English languages, including Native American languages.

**Electives 44-46**

Any other college-level credits, including credits toward upper-division minimum, Minor Field of Study (recommended), career interests, and/or necessary prerequisite courses.

**Total Minimum Credits 120**

\*

May satisfy General Education requirements.

*Certain courses in this program have prerequisites; students should check the course descriptions for required prerequisites.*

## Suggested Plan of Study

Code	Title	Credits
First Year		
Fall		
WRIT 101	College Writing I	3
COMX 111	Intro to Public Speaking	3
ECNS 201	Principles of Microeconomics	3
BIOB 101	Discover Biology	4
& BIOB 102	and Discover Biology Lab	
or BIOB 160	Principles of Living Systems	
& BIOB 161	and Principles Living Systems Lab	
Gen Ed Fine Arts		3
Total		16
Spring		
WRIT Course (WRIT 121, WRIT 201, or WRIT 221)		3
STAT 216	Introduction to Statistics	4
GPHY 262	Spatial Sciences Technology and Applications & Lab	4
GPHY 121	Human Geography	3
Gen Ed History		3
Total		17
Second Year		
Fall		
Foreign Language		4
ENST 210	Intro to Environmental Studies	3
Career Track Course		3-4
Minor Field		3
Gen Ed Humanities		3
Total		16-17
Spring		
Foreign Language		4

Career Track Course		3-4
Minor Field		3
BIOE 202	Intro to Environmental Ecology	3
Open Elective		3
Total		16-17
Third Year		
Fall		
Career Track Course		3-4
Career Track Course		3
Minor Field		6
Open Elective		3
Total		15-16
Spring		
Career Track Course		3-4
Career Track Course		3
Minor Field		6
Upper Division Open Elective		3
Total		15-16
Fourth Year		
Fall		
ENST 498	Internship/Cooperative Educ	3
ENST 499	Senior Thesis/Capstone	3
Career Track Course		3
Upper Division Open Elective		3
Total		12
Spring		
Complete Career Track		3-6
Complete Minor Field		3-6
Complete Upper Division Electives		3-6
Total		12-15