

# Environmental Studies, BA (Boston)

The Bachelor of Arts in Environmental Studies degree is designed to provide students with a critical foundation in both the scientific and human foundation of environmental systems. It also prioritizes mastery of skills that will position students for future success as environmental professionals. In their first two years, all environmental studies majors complete introductory courses in critical scientific disciplines—including focusing on food, water, and climate resources—and in essential human dimensions—including sustainable development, environmental health, and environmental justice. Lastly, all students take required skill-building courses that are designed to promote success with desired co-op and career opportunities. Students then opt for one of five concentrations that build their training in courses from across the university. These concentrations are specifically designed to cover the breadth of areas where people and the environment intersect, including courses that draw on Northeastern's expertise in public health, environmental justice, environmental law, visualization and storytelling of environmental issues, and the green economy. Students interested in viewing environmental problems specifically through quantitative social and natural science lenses should consider the BS Environmental and Sustainability Sciences (<https://catalog.northeastern.edu/undergraduate/science/marine-environmental/environmental-sustainability-sciences-bs/>) program.

## Program Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified and complete any additional courses needed beyond specific college and major requirements to satisfy graduation credit requirements.

## Universitywide Requirements

All undergraduate students are required to complete the Universitywide Requirements (<https://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/>).

## BA Language Requirements

All BA students are required to complete the BA degree language requirements, for a total of 12 semester hours of language study or demonstrated equivalent proficiency, as described in Additional Requirements for BA students (<https://catalog.northeastern.edu/undergraduate/university-academics/nupath/ba-requirements/>). Successful demonstration of proficiency does not reduce total minimum semester hours of study required to earn the BA degree.

## NUPath Requirements

All undergraduate students are required to complete the NUPath Requirements (<https://catalog.northeastern.edu/undergraduate/university-academics/nupath/>).

## Environmental Studies Major Requirements

Code	Title	Hours
<b>Introduction to College</b>		
INSC 1000	Science at Northeastern	1
<b>Core Courses</b>		
<i>Introductory Courses</i>		
ENVR 1101	Environmental Science	4
Complete one of the following:		4
ANTH 1101	Peoples and Cultures	
ENVR 2401	Food Justice and Community Development	
PHIL 1180	Environmental Ethics	
SOCL 1246	Environment and Society	
<i>Scientific Foundations of Environmental Systems</i>		
ENVR 1110	Global Climate Change	4
ENVR 3150	Food Security and Sustainability	4
ENVR 3200	Water Resources	4
<i>Human Dimensions of Environmental Systems</i>		
ENVR 2515	Sustainable Development	4
ENVR 3540	Environmental Psychology	4
or PHTH 2414	Environmental Health	
SOCL 4522	Environmental Justice	4
<b>Skills</b>		
ENVR 3300 and ENVR 3301	Geographic Information Systems and Lab for ENVR 3300	5
ENVR 4000	Science Communication and Professional Development	4

**Research Methods**

Complete one of the following: 4-5

ANTH 3410	Ethnographic Field Experience
ECON 2350	Statistics for Economists
ENVR 2500 and ENVR 2501	Biostatistics and Lab for ENVR 2500
POLS 2400	Quantitative Techniques
SOCL 2321	Research Methods in Sociology

**Capstone**

Complete one of the following: 4

ENVR 4050	Solving Emerging Environmental Challenges through Capstone
ENVR 4971	Junior/Senior Honors Project 2
ENVR 4997	Senior Thesis

**Concentrations**

Complete one of the following concentrations:

- Communication and Visualization: Environmental Problems and Solutions (p. 3)
- Environmental and Human Health (p. 3)
- Environmental Ethics and Social Justice (p. 4)
- Environmental Law, Governance, and Management (p. 4)
- The Green Economy: Business, Entrepreneurship, and Environmental Sustainability (p. 5)

**Science GPA Requirement (Environmental Studies)**

A minimum 2.000 GPA in the following course codes is required: ENVR, EEMB

**Environmental Studies Major Credit Requirement**

Complete 82 semester hours with a cumulative GPA of 2.000.

**NUPath Requirements**

The following NUPath Requirements are met by the major:

- Engaging with the Natural and Designed World (ND)
- Exploring Creative Expression and Innovation (EI)
- Understanding Societies and Institutions (SI)
- Analyzing and Using Data (AD)
- Demonstrating Thought and Action in a Capstone (CE)
- Two Writing-Intensive Courses in the Discipline (WI)

Other NUPath requirements may be fulfilled by electives in the program.

**Writing Requirements**

Code	Title	Hours
ENGW 1111 or ENGW 1102	First-Year Writing First-Year Writing for Multilingual Writers	4
ENGW 3303 or ENGW 3307 or ENGW 3315	Advanced Writing in the Environmental Professions Advanced Writing in the Sciences Interdisciplinary Advanced Writing in the Disciplines	4

**Co-op Requirements**

Students who want to participate in co-op will need to take Professional Development for Co-op (EESC 2000) .

Code	Title	Hours
EESC 2000	Professional Development for Co-op	1

**Program Requirement**

128 total semester hours required

**CONCENTRATION IN COMMUNICATION AND VISUALIZATION: ENVIRONMENTAL PROBLEMS AND SOLUTIONS**

<b>Code</b>	<b>Title</b>	<b>Hours</b>
<b>Required Courses</b>		
ARTF 1220 and ARTF 1221	Elements of Visual Composition and Elements of Visual Composition Tools	2
ARTG 2242	Information Design Principles	4
ARTF 1240 and ARTF 1241 or MSCR 1230	Making with Video, Sound, and Animation and Making with Video, Sound, and Animation Tools Introduction to Film Production	2
MSCR 3446	Documentary Production	4
COMM 3500	Environmental Issues, Communication, and the Media	4
Complete one of the following:		4
JRNL 3650	Science Writing	
JRNL 3700	Data Storytelling	
<b>Electives</b>		
Complete three of the following:		16
ARTG 2250	Typography 1	
ARTG 2252	Graphic Design Principles	
ARTG 3444	Topics in Information Design Inquiry	
ARTD 2380 and ARTD 2381	Video Basics and Video Tools	
ARTD 3480	Video: Sound and Image	
CIVE 5280	Remote Sensing of the Environment	
COMM 2555	Games for Change	
COMM 3532	Theories of Conflict and Negotiation	
ENVR 4970	Junior/Senior Honors Project 1	
ENVR 5000	Community Stakeholder Engagement in Environmental Management and Research	
ENVR 5450	Applied Social-Ecological Systems Modeling	
ENVR 5563	Advanced Spatial Analysis	
ENVR 5610	Technology and the Blue Economy	
ENVR 5750	Urban Ecology	
GAME 2755	Games and Social Justice	
JRNL 3650	Science Writing	
JRNL 3700	Data Storytelling	

**CONCENTRATION IN ENVIRONMENTAL AND HUMAN HEALTH**

<b>Code</b>	<b>Title</b>	<b>Hours</b>
<b>Required Courses</b>		
EEMB 2302 and EEMB 2303	Ecology and Lab for EEMB 2302	5
EEMB 3466	Disease Ecology	4
PHTH 1260 or PHTH 1270	The American Healthcare System Introduction to Global Health	4
PHTH 4202	Principles of Epidemiology in Medicine and Public Health	4
<b>Electives</b>		
Complete four of the following:		16
COMM 3500	Environmental Issues, Communication, and the Media	
EEMB 3460	Conservation Biology	
ENVR 3800 and ENVR 3801	Plants and Society and Lab for ENVR 3800	
ENVR 4505	Wetlands	
ENVR 4970	Junior/Senior Honors Project 1	
ENVR 5450	Applied Social-Ecological Systems Modeling	

ENVR 5750	Urban Ecology
INTL 5100	Climate and Development
PHTH 2350 or PHTH 2351	Community and Public Health Community and Public Health - Global
PHTH 4120 or PHTH 5120	Global Perspectives on Discrimination and Health Race, Ethnicity, and Health in the United States
POLS 2395	Environmental Politics and Policy
SOCL 2485	Environment, Technology, and Society

**CONCENTRATION IN ENVIRONMENTAL ETHICS AND SOCIAL JUSTICE**

Code	Title	Hours
<b>Required Courses</b>		
COMM 3500	Environmental Issues, Communication, and the Media	4
PHIL 1180	Environmental Ethics	4
POLS 2395	Environmental Politics and Policy	4
SOCL 2485	Environment, Technology, and Society	4
<b>Electives</b>		
Complete four of the following:		16
BUSN 3110	The Consulting Environment	
COMM 3532	Theories of Conflict and Negotiation	
EEMB 4000	Applied Conservation Biology	
ENVR 3800 and ENVR 3801	Plants and Society and Lab for ENVR 3800	
ENVR 4504	Environmental Pollution	
ENVR 4970	Junior/Senior Honors Project 1	
ENVR 5350	Sustainable Energy and Climate Solutions	
ENVR 5450	Applied Social-Ecological Systems Modeling	
ENVR 5800	Climate Adaptation and Nature-Based Solutions	
HUSV 3570	The Nonprofit Sector, Philanthropy, and Social Change	
INTL 5100	Climate and Development	
PHIL 2001	Ethics and Evolutionary Games	
PPUA 5268	International Environmental Policy	
PPUA 5270	Food Systems and Public Policy	
PPUA 5390	Special Topics in Public Policy and Urban Affairs	

**CONCENTRATION IN ENVIRONMENTAL LAW, GOVERNANCE, AND MANAGEMENT**

Code	Title	Hours
<b>Required Courses</b>		
LPSC 1101	Introduction to Law	4
LPSC 2301	Introduction to Law, Policy, and Society	4
Complete one of the following:		4
POLS 2395	Environmental Politics and Policy	
PPUA 5268	International Environmental Policy	
Complete one of the following:		4
ENVR 5210	Environmental Planning	
ENVR 5220	Ecosystem-Based Management	
<b>Electives</b>		
Complete four of the following:		16
EEMB 3460	Conservation Biology	
EEMB 3475	Wildlife Ecology	
EEMB 4000	Applied Conservation Biology	
ENVR 4505	Wetlands	
ENVR 4970	Junior/Senior Honors Project 1	
ENVR 5000	Community Stakeholder Engagement in Environmental Management and Research	

ENVR 5210	Environmental Planning
ENVR 5220	Ecosystem-Based Management
ENVR 5450	Applied Social-Ecological Systems Modeling
ENVR 5700	Streams and Watershed Ecology
LPSC 3303	Topics in Law and Public Policy
POLS 2395	Environmental Politics and Policy
POLS 3307	Public Policy and Administration
PPUA 5264	Energy Democracy and Climate Justice: Technology, Policy, and Social Change
PPUA 5267	Climate Policy and Justice
PPUA 5268	International Environmental Policy

### CONCENTRATION IN THE GREEN ECONOMY: BUSINESS, ENTREPRENEURSHIP, AND ENVIRONMENTAL SUSTAINABILITY

Code	Title	Hours
<b>Required Courses</b>		
BUSN 1101	Applied Business Fundamentals	4
FINA 2720	Sustainability in the Business Environment	4
Complete one of the following:		4
ENVR 5210	Environmental Planning	
ENVR 5220	Ecosystem-Based Management	
Complete one of the following:		4
BUSN 3110	The Consulting Environment	
INNO 2206	Global Social Enterprise	
INNO 3520	Impact Investing and Social Finance	
<b>Electives</b>		
Complete four of the following:		16
BUSN 3110	The Consulting Environment	
CIVE 5275	Life Cycle Assessment of Materials, Products, and Infrastructure	
ECON 3423	Environmental Economics	
INNO 2301	Innovation!	
INNO 3520	Impact Investing and Social Finance	
ENVR 3800 and ENVR 3801	Plants and Society and Lab for ENVR 3800	
ENVR 4970	Junior/Senior Honors Project 1	
ENVR 5000	Community Stakeholder Engagement in Environmental Management and Research	
ENVR 5210	Environmental Planning	
ENVR 5220	Ecosystem-Based Management	
ENVR 5350	Sustainable Energy and Climate Solutions	
ENVR 5610	Technology and the Blue Economy	
ENVR 5800	Climate Adaptation and Nature-Based Solutions	
HUSV 3570	The Nonprofit Sector, Philanthropy, and Social Change	
MGMT 3530	Project Management	
MKTG 2301	Marketing and Society	

## Plan of Study

### Sample Plan of Study

#### FOUR YEARS, TWO CO-OPS IN SPRING/SUMMER FIRST HALF

<b>Year 1</b>							
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>	<b>Summer 1</b>	<b>Hours</b>	<b>Summer 2</b>	<b>Hours</b>
INSC 1000		1 ENVR 1110		4 General elective		4 General elective	4
ENGW 1111		4 ENVR 3150		4		NUPath Elective 1	4
ENVR 1101		4 PHIL 1180		4			
ENVR 2515		4 Intermediate language requirement		4			

