

Environmental and Sustainability Sciences and Journalism, BS

Overview

The climate crisis and other staggering environmental challenges render it essential that we train a new generation of journalists with a strong scientific foundation in environmental science. Clearheaded and scientifically grounded reporting on environmental issues will be essential for tackling these and other future challenges. This combined major is designed to provide training that merges the basic and applied science underlying environmental change with the best principles and journalistic practices to enable students to pursue careers across a wide range of science communication fields.

Due to curricular overlap, students enrolled in this program cannot declare a double major with or declare a minor in ecology and evolutionary biology, environmental studies, or geoscience.

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 (<http://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/>).

NUpath Requirements

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

Restrictions

Due to curricular overlap, students enrolled in this program cannot declare a double major with or declare a minor in ecology and evolutionary biology, environmental studies, or geoscience.

Environmental and Sustainability Sciences Requirements

Code	Title	Hours
Core Courses		
ENVR 1400 and ENVR 1401	Foundations in Environmental and Sustainability Sciences and Lab for ENVR 1400	5
ENVR 2200 or ENVR 1200	Earth's Changing Cycles Dynamic Earth	4
EEMB 2302 and EEMB 2303	Ecology and Lab for EEMB 2302	5
ENVR 2515	Sustainable Development	4
Complete one of the following:		5
ENVR 3300 and ENVR 3301	Geographic Information Systems and Lab for ENVR 3300	
ENVR 1500 and ENVR 1501	Introduction to Environmental, Social, and Biological Data and Lab for ENVR 1500	
Complete four courses from the following lists:		16
<i>Earth Oceans and Environmental Change</i>		
ENVR 2310 and ENVR 2311	Earth Materials and Lab for ENVR 2310	
ENVR 3125	Global Oceanic Change	
ENVR 3600	Oceanography	
ENVR 5150	Climate and Atmospheric Change	
<i>Conservation, Restoration, and Management</i>		
EEMB 2400	Introduction to Evolution	
EEMB 3460	Conservation Biology	
EEMB 4001	Landscape and Restoration Ecology	
ENVR 5220	Ecosystem-Based Management	
<i>Sustainable Planning and Development</i>		
ENVR 3150	Food Security and Sustainability	

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ENVR 3200	Water Resources
ENVR 5350	Sustainable Energy and Climate Solutions
ENVR 5210	Environmental Planning
<i>Environment and Society</i>	
POLS 2395	Environmental Politics and Policy
PPUA 5260	Ecological Economics
SOCL 2485	Environment, Technology, and Society
ENVR 5450	Applied Social-Ecological Systems Modeling

Journalism Requirements

Code	Title	Hours
Foundation Courses		
JRNL 1150	Understanding Today's News	4
JRNL 1101 and JRNL 1102	Journalism 1: Fundamentals of Reporting and Journalist's Toolbox	5
JRNL 2201	Journalism 2: Intermediate Reporting	4
Visual Storytelling		
Complete one of the following:		4
JRNL 2301	Visual Storytelling in Journalism	
JRNL 5309	News Documentary Production	
JRNL 5310	Photojournalism	
JRNL 5314	Video News Reporting and Producing	
Law and Ethics		
Complete one of the following:		4
JRNL 3550	The First Amendment and the Media	
JRNL 4650	Ethics and Issues in Journalism	
Electives		
Complete any four journalism electives with two at the 3000-level or above.		16

Integrative Requirements

Code	Title	Hours
Introduction to College		
ENVR 1000 or JRNL 1000	Marine and Environmental Sciences at Northeastern Journalism at Northeastern	1
Co-op		
EESC 2000 or EEAM 2000	Professional Development for Co-op Professional Development for Co-op	1
Integrative Course		
Courses used as electives may not overlap with the following:		
ENVR 4050 or ENVR 4997	Solving Emerging Environmental Challenges through Capstone Senior Thesis	4
JRNL 3650 or JRNL 3700	Science Writing Data Storytelling	4

English Requirements (First-Year Writing and Advanced Writing in the Disciplines)

Code	Title	Hours
ENGW 1111 or ENGW 1102	First-Year Writing First-Year Writing for Multilingual Writers	4
ENGW 3307 or ENGW 3315 or JRNL 2301	Advanced Writing in the Sciences Interdisciplinary Advanced Writing in the Disciplines Visual Storytelling in Journalism	4

Major GPA/Credit Requirement

Grades in the following must average to a minimum of C (2.000):

Code	Title	Hours
JRNL 1101	Journalism 1: Fundamentals of Reporting	4
JRNL 2201	Journalism 2: Intermediate Reporting	4
JRNL 2301	Visual Storytelling in Journalism	4

83 semester hours required in the major

Program Requirement

132 total semester hours required

Plan of Study

Four Years, Two Co-ops in Summer 2/Fall

Year 1								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
ENVR 1000 or JRNL 1000		1 ENVR 2200 or 1200		4 Elective		4 Elective		4
ENGW 1111 or 1102		4 JRNL 1101 and JRNL 1102		5 Elective		4 Elective		4
ENVR 1400 and ENVR 1401		5 ENVR elective 1		4				
JRNL 1150		4 Elective		4				
Elective		4						
		18			17			8
								8
Year 2								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
EEMB 2302 and EEMB 2303		5 ENVR 2515		4 Elective		4 Co-op		
JRNL 2201		4 ENVR 1500 and ENVR 1501 (or ENVR 3300 and ENVR 3301)		5 Elective		4		
ENVR elective 2		4 JRNL 2301, 5309, 5310, or 5314		4				
JRNL elective 1		4 EESC 2000 or EEAM 2000		1				
		ENVR elective 3		4				
		JRNL elective 2						
		17			18			8
								0
Year 3								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
Co-op		ENVR 4050, 4997, JRNL 3650, or JRNL 3700		4 Elective		4 Co-op		
		JRNL 3550 or 4650		4 Elective		4		
		ENVR elective 4		4				
		JRNL elective 3		4				
		0			16			8
								0
Year 4								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
Co-op		ENVR 4997, 4050, JRNL 3650, or JRNL 3700		4				
		JRNL elective 4		4				
		Elective		4				
		Elective		4				
		0			16			

Total Hours: 134