

# Major in Environmental Science

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Environmental science integrates a wide range of scientific disciplines necessary to understand the environment and the many interactions among its components. These interactions include the impact of human activities on the environment and the impact of the environment on humans.

## University Core Curriculum Requirements

General Education Distribution Area	Cr. Hrs.
<b>Fine Arts (FA)*</b> 2 courses, from at least two of the following areas of study: Art, CMT (Mass Media or Theatre), Music (includes Dance).	6
<b>Humanities (HU)*</b> 3 courses, from at least two of the following areas of study: CMT (Communication), English, Linguistics, Philosophy, Women's and Gender Studies, World Languages and Cultures, (Note: No more than two foreign language courses may be used to fulfill this requirement.)	9
<b>Behavioral/Social Sciences (SB)*</b> 3 courses, from at least two of the following areas of study: African & African American Studies, Anthropology, Computer Science, Economics, Geography & Environmental Studies, History, Justice Studies, Latino & Latin American Studies, Political Science, Psychology, Sociology, Social Work	9
<b>Natural Sciences (NS and NSL)**</b> 3 courses, from at least two of the following areas of study; one course must have a laboratory component (NSL): Biology, Chemistry, Earth Science, Environmental Science, Physics (Note: If an FYE ANTH that counts as Natural Science is taken, only one Biology course may be used for Natural Science).	9

### Engaged Learning Experiences

Students must complete, at Northeastern, three courses designated as Engaged Learning Experiences courses. One of the Engaged Learning Experiences courses must be at the 300-level, and one Engaged Learning Experiences course must be designated as "Boundary Crossing".

### Discipline Specific (ELE-DS)

These courses have pre-requisites that are specific courses within a program of study. Discipline Specific courses give students a deeper understanding of how knowledge is created and applied in their field.

### Boundary Crossing (ELE-X)

These are courses that cross disciplinary boundaries and/or cross boundaries through engagements outside the classroom or University allowing students to see how knowledge gained in one field might inform other fields or other aspects of society.

### Math/Quantitative Reasoning (MA)

1 Math course, that has intermediate Algebra as prerequisite OR is a course listed on the General Education Distributive Learning List of Approved Courses. Any 3 hour college level math course, beyond Intermediate Algebra, meets this requirement.

\* Majors in Fine Arts, Humanities or Social/Behavioral Sciences, may waive up to 6 credit hours of General Education requirements in the corresponding distribution area.

\*\* Majors in Natural Sciences may waive up to 9 credit hours of General Education requirements in the Natural Sciences distribution area.

Students should also be aware of all other university requirements to obtain a degree - NEIU requirements (<http://catalog.neiu.edu/graduation-requirements/bachelors-degree/>)

## Major in Environmental Science

The interdisciplinary Environmental Science major requires a total of 79-82 credits through the following coursework.

Code	Title	Hours
<b>Required courses</b>		
ENVI-101	Introduction To Environmental Science	3
ENVI-301	Methods In Environmental Science	4
ENVI-390	Environmental Science Research & Practice	4
<b>STEM core</b>		
Biology		
BIO-150	Essential Skills For Biologists	2
BIO-201	General Biology I	4
BIO-202	General Biology II	4
Chemistry		
CHEM-211	General Chemistry I	5
CHEM-212	General Chemistry II	4
Earth Science		
ESCI-211	Physical Geology	4
ESCI-307	Climate Change: Evidence, Causes, Effects	4
Physics		
PHYS-206L	University Physics I With Lab	5
PHYS-207L	University Physics II With Lab	5
Mathematics		
MATH-187	Calculus I	4
MATH-275	Applied And Computational Statistics	4
Electives (5 from BIO, CHEM, ESCI, PHYS) <small>in consultation with advisor</small>		17-20
Social Sciences/Policy/Humanities		
GES-319	Environmental And Natural Resources Policy	3
Electives (2 from Social Science/Humanities) <small>in consultation with advisor</small>		6
<b>Total Hours</b>		<b>82-85</b>