

# ENVIRONMENTAL SCIENCE MINOR

Coordinator: Katie Costanzo, PhD

The Environmental Science minor is designed for students who want to understand the living and nonliving components of nature. It is a great complement to many majors including ABEC, Biology and Environmental Studies to better prepare them for employment in environmental science, ecology and conservation following graduation.

Minors are an important part of the undergraduate curriculum. If students declare a minor by sophomore year, they can usually complete it in a timely manner. Students should work with their advisor to determine if it is possible that the minor can be completed by graduation.

To receive a minor, a student must complete at least 9 credit hours of coursework distinct from their major(s) and from other minors, and students must complete more than 50% of the coursework required for the minor at Canisius. Please note that "ancillary/supporting" courses required for a major may still count as distinct courses as long as the remaining coursework still meets the 30 credit-hours required for a major. For more information about minor policies, please see the Declaring Majors and Minors (<http://catalog.canisius.edu/undergraduate/academics/student-records/declaring-majors-minors/>) page in the catalog.

## Requirements for the Environmental Science Minor

The environmental science minor requires BIO 320 (field ecology with its lab), BIO 360 (Environmental Health), at least one physical science course and its lab, and two additional upper-level classes, at least one of which must include the associated laboratory.

Code	Title	Credits
BIO 320	Field Ecology	4
BIO 360	Environmental Health	3
1 Physical Science Course (must include its associated laboratory if offered)		3-4
2 electives (1 must include the associated laboratory)		10
<b>Total Credits</b>		<b>20-21</b>

### Physical Science courses (must choose 1)

Code	Title	Credits
GEOL 120 & 120L	Introductory Geology and Introductory Geology Laboratory	4
ENV 200	Introductory Hydrology	3
CHM 232 & 232L	Environmental Analytical Chemistry and Environmental Analytical Chemistry Laboratory	4

### Environmental SCIENCE Electives (Must choose 2, at least 1 with lab)

Code	Title	Credits
ABEC 341	Urban Ecology	3
ABEC 345	Herpetology	3
ABEC 347	Avian Conservation and Management	3
ABEC 348	Wildlife & Climate Change	3
BIO 305	Medical Microbiology and its Ecological Basis <sup>1</sup>	3
BIO 307	Microbiology	3

BIO 322	Conservation Biology	3
BIO 335	Plant Biology	3
BIO 343	Entomology	4
BIO 364	Zoology: Diversity of Animal Life	3
BIO 366	Ornithology	4
BIO 375	Community Ecology	3
BIO 377	Freshwater Biology	4
BIO 378	Wetlands	3
BIO 406	Population and Conservation Genetics	3
EVST 235	Environmental Policy	3
SOC 315	Geographical Information Systems (GIS) for the Social Sciences	3
or ECO 310	Introduction to Geographic Information Systems	