

Environmental Sciences

Degree Type

Associate of Science

NHTI's Environmental Sciences degree program provides an interdisciplinary approach to studying the social, ethical, and ecological interactions between the natural world and society. It offers the first two years of courses necessary for a four-year bachelor's degree in environmental science for students interested in transferring.

Do you have questions? Contact Amy West, department chair, at awest@ccsnh.edu or 603-271-6484 x4243, or Tracey Lesser, program coordinator, at tlesser@ccsnh.edu or 603-271-6484 x4423.

Career Information

Graduates of associate and bachelor's degree programs have more employment opportunities. Graduates can find employment as city planning aides, economic research assistants, grazing examiners, soil testers, meteorological aids, and tree wardens. With a bachelor's degree, graduates can find employment as biotechnologists, wildlife technicians, and specimen technicians.

Admission Requirements

Apply for this program today on our [Admissions page](#) with step-by-step instructions and enrollment pathways build just for you!

Curriculum

General Education Requirements

Item #	Title	Lecture Hours	Lab Hours	Credits
ENGL101C	English Composition	4	0	4
ECON101C	Macroeconomics	3	0	3
GEOL101C	Essentials of Geology	3	2	4
	Mathematics elective (Calculus track)	4	0	4
MATH251C	Statistics	4	0	4
SOCI180C	Environment and Society	3	0	3
INDL101C	STEM in the First-Year Experience	3	0	3
	Environmental Science elective			3-4
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	Subtotal Credits	24	2	32-33

Major Requirements

Item #	Title	Lecture Hours	Lab Hours	Credits
ARET160C	Introduction to Geographic Information Systems	2	2	3
BIOL111C	General Biology I	3	2	4
BIOL112C	General Biology II	3	2	4
BIOL212C	Ecology	3	2	4
BIOL215C	Freshwater Ecology	3	2	4
CHEM103C	General Chemistry I	3	2	4
CHEM104C	General Chemistry II	3	2	4
ENVS101C	Fundamentals of Environmental Science	3	2	4
ENVS290C	Senior Capstone Project and Seminar	3	2	4
	Subtotal Credits	26	18	35
	Total Credits			67-68

Additional Information

Program Learning Outcomes

- Students will communicate effectively.
 - Students will employ vocabulary pertinent to environmental science.
 - Students will complete research and use peer-reviewed sources of literature.
- Students will use critical thinking.
 - Students will apply the scientific method.
 - Students will connect principles of ecology and other natural sciences to environmental issues.
- Students will demonstrate the application of scientific technology.
 - Students will practice lab and field safety procedures.
 - Students will utilize current technology to collect, analyze, and present data.
- Students will express quantitative and qualitative scientific knowledge.
 - Students will demonstrate competence in chemistry, biology and other foundational courses that support scientific understanding.

- Students will describe connections between the environment and human societies and how each affects the other.

Student Achievements

NHTI Environmental Sciences students complete a capstone project over two consecutive semesters. This hands-on experience strengthens their ability to apply theory to the development of practical solutions to real-world problems. [See a collection of our previous students' capstone projects!](#)