

Biology

Degree Type

Associate of Science

NHTI's Biology degree program provides you with an excellent foundation for studies in pre-medicine, pre-dentistry, and pre-veterinary medicine. This program is recommended if you are looking to pursue further study in biology, botany, zoology, ecology, microbiology, agriculture, forestry, molecular biology, cell biology, genetics, and marine biology.

This program provides a broad-based curriculum in the biological sciences and helps you meet the requirements for other degree programs. If you choose to pursue a four-year degree, the core courses in this program offer the basic competencies, knowledge, and skills to do so. It also prepares you for careers in biological science; provides the skills, methods, and knowledge needed for further study; and promotes an appreciation of the sciences.

Do you have questions? Contact Amy West, department chair, at awest@ccsnh.edu or 603-271-6484 x4243.

Career Information

Students who complete this program can enter into the following professions (not an inclusive list): biological technician, forest or conservation technician, and medical or clinical laboratory technician. Other possible positions include veterinary technician, medical assistant, plant science technician, and sales associate for medical equipment, pharmaceuticals, and biological materials. Students who graduate from this program have the skills necessary to work in the field as a biological science technician.

Admission Requirements

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

Curriculum

First Year

Fall Semester

Item #	Title	Lecture Hours	Lab Hours	Credits
BIOL111C	General Biology I	3	2	4
CHEM103C	General Chemistry I	3	2	4
ENGL101C	English Composition	4	0	4
INDL101C	STEM in the First-Year Experience	3	0	3
	Mathematics elective (Calculus track)	4	0	4
	Subtotal Credits	17	4	19

Spring Semester

Item #	Title	Lecture Hours	Lab Hours	Credits
BIOL112C	General Biology II	3	2	4
CHEM104C	General Chemistry II	3	2	4
	English elective	3	0	3
PHIL242C	Contemporary Ethical Issues	3	0	3
PHYS133C	Physics I (Algebra-based)	3	2	4
	Subtotal Credits	15	6	18

Second Year

Fall Semester

Item #	Title	Lecture Hours	Lab Hours	Credits
BIOL202C	Microbiology	3	3	4
BIOL211C	Genetics	3	2	4
MATH251C	Statistics	4	0	4
PHYS135C	Physics II (Algebra-based)	3	2	4
	Subtotal Credits	13	7	16

Spring Semester

Item #	Title	Lecture Hours	Lab Hours	Credits
BIOL260C	Cell Biology	3	3	4
BIOL290C	Senior Capstone Project and Seminar	3	2	4
	Biology elective	3	2	3-4
	Biology elective	3	2	3-4
	Subtotal Credits	12-14	9	14-16
Total Credits				69

Additional Information

Program Learning Outcomes

- Students will communicate effectively.
 - Students will employ vocabulary pertinent to biological sciences.
 - 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 natural sciences to biological 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 explain the significance of research results.
 - Students will analyze theoretical principles across a broad range of sub-disciplines in biological sciences.

Student Achievements

NHTI Biology 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!](#)