

SCIENCE, ASSOCIATE IN SCIENCE

Students are encouraged to keep track of degree requirements by using the "My Progress" screen on Student Planning. Student Planning can be accessed via logging into Ocean Connect.

First Semester		Credit Hours
ENGL 151	English I	3
BIOL 161	General Biology I	4
ENVI 152	Environmental Sci	4
Any STSC - Student Success Seminar course (https://catalog.ocean.edu/course-descriptions/stsc/) ²		2
MATH 166	Topics in Algebra (or Higher) ¹	4
Credit Hours		17
Second Semester		
ENGL 152	English II	3
MATH 156	Introduction to Statistics	3
BIOL 162	General Biology II	4
CHEM 181	General Chemistry I	4
Credit Hours		14
Third Semester		
CHEM 182	General Chemistry II	4
Environmental Studies Program Elective(s) (p. 1)		7
Humanities Gen. Ed. Requirement (https://catalog.ocean.edu/academic-information/general-education/)		3
Credit Hours		14
Fourth Semester		
Environmental Studies Program Elective (p. 1)		4
Humanities or Social Science Gen. Ed. Requirement (https://catalog.ocean.edu/graduation-requirements-degree/approved-general-education-courses/#humanities)		3
Social Science Gen. Ed. Requirement (https://catalog.ocean.edu/graduation-requirements-degree/approved-general-education-courses/#social)		3
Technology Gen. Ed. Requirement (https://catalog.ocean.edu/graduation-requirements-degree/approved-general-education-courses/#tech) ³		3
Elective to meet 60 credits		2
Credit Hours		15
Total Credit Hours		60

New Note: Regarding math requirement: Some bachelor's degree programs in science require Calculus; completion of at least MATH 191 Precalculus I & MATH 192 Precalculus II is recommended to transfer. MATH 156 Introduction to Statistics and MATH 166 Topics in Algebra are recommended for transfer to programs that do not require Calculus.

New Note: A total of STSC - Student Success Seminar courses are available. Please speak to your academic advisor for assistance when selecting.

New Note: Students may attempt to "test out" of the technology requirement. If they succeed, they must take an additional course(s) in math or science from the List of Approved General Education Courses.

Environmental Studies Program Electives

Code	Title	Credit Hours
BIOL 101	The Pine Barrens	3
BIOL 261	Ecology	4
BIOL 265	Marine Biology	4
ENVI 232	Environmental Policy	3
ENVI 259	Field Experience/Practicum	3

CHEM 283	Organic Chemistry I	4
CHEM 284	Organic Chemistry II	4
ENVI 121	Renewable Energy	3
ENVI 134	Carbon Footprint Analysis	3
ENVI 142	Industrial Hygiene	4
ENVI 159		4
ENVI 205	Hazardous Materials Management	3
ENVI 210	Indoor Environmental Quality	3
ENVI 217	Occupational Safety and Health	3
ENVI 220	Life Cycle Analysis	3
ENVI 241	Environmental Sustainability	3
BIOL 163	Introductory Botany	4

Program Description

This program is designed to prepare students for careers in the dynamic field of environmental science, which is concerned with monitoring humanity's impact on the Earth and solving environmental problems. Students graduating from this program might work in environmental education centers, public relations firms, testing labs, environmental research organizations, travel/tourism (ecotourism companies), food manufacturers, waste management companies or government agencies. The program provides students with a strong background in the natural sciences.

Program Learning Outcomes

1. Develop a foundation across the subdisciplines of biology, chemistry, environmental science and physics.
2. Analyze information through formulating hypotheses, analyzing data using scientific methods, and developing the ability to interpret quantitative data.
3. Explain the concepts of each subcategory with respect to the accepted Laws governing scientific concepts.
4. Demonstrate application of critical thinking and teamwork in the classroom and lab.
5. Apply scientific principles to current issues in today's society