

Environmental Science

Type

Associate in Science

Environmental Science, Associate in Science

This degree can lead to a baccalaureate degree in environmental science or environmental studies at accredited colleges or universities. In consultation with an academic advisor; electives should be selected based on the student's interest, the requirements of the transfer institution or technician-level vocation opportunities. Some courses require pre-requisites, check course descriptions.

For information, contact faculty advisor, James Sacchinelli, at (609)343-4943 or jsacchin@atlanticcape.edu, or Richard Perello at (609)343-4969 or rperello@atlanticcape.edu, or contact department chair, Ken Cabarle, at (609)343-5128 or kcabarle@atlanticcape.edu.

Upon completion of this program students will be able to:

- Develop work ethics that are effective and safe in a laboratory environment;
- Apply the scientific method to collect and interpret information;
- Experiment with laboratory and field equipment to obtain data;
- Analyze records of results and procedures;
- Discuss effectively, both orally and in writing;
- Analyze and evaluate problems critically.

(ENVL-Fall 2022)

General Education Courses

When a course is not specified, refer to the list of approved General Education courses.

Communication

Course #	Title	Credits
ENGL101	Composition I	3
ENGL102	Composition II	3

Mathematics-Science-Technology

Course #	Title	Credits
BIOL109	General Biology I	4
CHEM110	General Chemistry I	4
	Choose: MATH150-Precalculus, MATH155-Calculus or MATH220-Statistical Methods (4 credits)	4

Social Science

Course #	Title	Credits
	General Education Social Science Course (3 credits)	3

Humanities

Course #	Title	Credits
	General Education Humanities Course (3 credits)	3
	Choose: ARTS103, ARTS108, ARTS109, ARTS115, DANC170, MUSC100 or THEA110 (3 credits)	3

General Education Elective

Course #	Title	Credits
	General Education Course (3 credits)	3

Program Requirements

Course #	Title	Credits
ENVL200	Environmental Science	4
ENVL205	Ecology	4
ENVL221	Physical Geography	4

Program Electives

Choose 18 credits from the following:

Note: If selecting a PHYS course from the list below, option should be chosen by referring to the transfer institution's program/degree requirements and consulting with an academic advisor.

Course #	Title	Credits
AVIT185	Remote Sensing Using Unmanned Aircraft Systems	4
BIOL205	Genetics	4
BIOL110	General Biology II	4
BIOL250	Microbiology	4
CHEM111	General Chemistry II	4
CHEM210	Organic Chemistry I	4
CHEM211	Organic Chemistry II	4
ENGL224	Environmental Literature	3
GIST101	Introduction to Geographic Information Systems	4
GIST150	Geospatial Data Collection	4
MATH156	Calculus II	4
	PHYS125 or PHYS225 (See advisor for best option. PHYS125 offered in fall only)	4
	PHYS126 or PHYS226 (See advisor for best option. Offered in spring only)	4
TCOM125	Technical Communication	3

Technological Competency: 0-4 Credits

(Is fulfilled with CISM125 or CISM132, which may be taken as a General Education Elective, testing or reviewed departmental portfolio.)

Recommended Sequence of Courses

First Semester

Course #	Title	Credits
ENGL101	Composition I	3
BIOL109	General Biology I	4
CHEM110	General Chemistry I	4
	Choose: MATH150-Precalculus, MATH155-Calculus or MATH220-Statistical Methods (4 credits)	4
	General Education Social Science Course (3 credits)	3

Second Semester

Course #	Title	Credits
ENGL102	Composition II	3
	Choose: ARTS103, ARTS108, ARTS109, ARTS115, DANC170, MUSC100 or THEA110 (3 credits)	3
	General Education Humanities Course (3 credits)	3
	Program Elective Course (4 credits)	4
	Program Elective Course (4 credits)	4

Third Semester

Course #	Title	Credits
ENVL200	Environmental Science	4
ENVL205	Ecology	4
	Program Elective Course (4 credits)	4

Fourth Semester

Course #	Title	Credits
ENVL221	Physical Geography	4
	General Education Course (3 credits)	3
	Program Elective Course (3 credits)	3
	Program Elective Course (3 credits)	3