Environmental Studies

A.S. Degree Program – Catalog Year 2018-2019

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 and is attractive to four-year institutions that offer baccalaureate or graduate degrees in environmental studies, where OCC graduates may apply for additional preparation in the field.

Faculty Contacts/Program Chairs

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Transfer Information

Students pursuing the Environmental Studies degree can transfer into majors such as Environmental Studies or Environmental Science. Many colleges offer opportunities for transfer both in and out of state. Students are encouraged to work closely with OCC faculty and Advising Transfer Services. Students planning to transfer to a four-year institution in NJ can explore the "Transfer Programs" feature on NJ Transfer www.njtransfer.org.

Career Information

The Associate of Arts and the Associate of Science Degrees are designed to provide students with the coursework needed to transfer to a four-year institution and pursue a bachelor's degree. The curriculum provides students the knowledge and skills needed to pursue various career pathways, while providing a credential beyond the high school degree. Students are strongly encouraged to consult with OCC faculty and Career Services as they begin to explore career options. Students can also utilize Career Coach, a resource provided by OCC, to explore degree programs and corresponding careers https://ocean.emsicc.com/

Fundamental Coursework

ENVI 152	CHEM 181, 182
BIOL 161, 162	MATH 156

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.

Curriculum

First Semester		
ENGL 151	English I	3 cr.
MATH 165	College Algebra or higher**	3-5 cr.
BIOL 161	General Biology I	4 cr.
ENVI 152	Environmental Science	4 cr.
		14-16 cr.
Second Semester		
ENGL 152	English II	3 cr.
MATH 156	Introduction to Statistics	3 cr.
BIOL 162	General Biology II	4 cr.
CHEM 181	General Chemistry I	4 cr.
_____	Technology Gen Ed Requirement*	3 cr.
		17 cr.
Third Semester		
CHEM 182	General Chemistry II	4 cr.
_____	Environmental Studies Elective (see list)	3-4 cr.
_____	Environmental Studies Elective (see list)	3-4 cr.
_____	Social Science Gen Ed Requirement	3 cr.
_____	Humanities Gen Ed Requirement	3 cr.
		16-18 cr.
Fourth Semester		
_____	Environmental Studies Elective (see list)	3-4 cr.
_____	Humanities Gen Ed Requirement	3 cr.
_____	Social Science Gen Ed Requirement	3 cr.
_____	Elective (to meet required 64 cr.)	3-8 cr.
		13-17 cr.
		TOTAL CREDITS 64

Courses satisfying General Education Requirements must be selected from the list of Approved General Education Courses

* Students may attempt to "test out" of the technology requirement. If they succeed, they must take an additional course in math or lab science from the list of Approved General Education Courses.
**Note regarding math requirement: Some bachelor's degree programs in science require Calculus. Completion of at least MATH 191 Pre-calculus I and MATH 192 Pre-calculus II is recommended to transfer. MATH 156 Introduction to Statistics and MATH 165 College Algebra are recommended for transfer to programs that do not require Calculus.

Environmental Studies Electives

BIOL 101 The Pine Barrens
BIOL 261 Ecology
BIOL 265 Marine Biology
ENVI 154 Introduction to Oceanography
ENVI 232 Environmental Policy
ENVI 259 Field Experience/Practicum
CHEM 283 Organic Chemistry I
CHEM 284 Organic Chemistry II

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