

Environmental Studies (A.S.)

Curriculum Code: 1016

Semester Hours Required for Graduation: 62-67

PROGRAM GOALS:

This program prepares students for transfer into a Bachelor of Science program in Environmental Studies or a related field. Students should work closely with their academic advisor to determine choice of electives to help ensure articulation with specific transfer colleges. Upon completion of a Bachelor's degree, career opportunities include Natural Resource Specialist, Field Biologist, Environmental Health Technician, Fisheries Technician, and Forest Ranger. The program combines classroom, laboratory, and field study instruction giving students a well-rounded preparation. It is designed to meet the ever-increasing need for well-qualified professionals in this field.

PROGRAM OUTCOMES:

- Demonstrate understanding of the methods scientists use to explore natural phenomena (meets SUNY General Education outcomes for the natural sciences).
- Demonstrate skills in scientific techniques and methodology.
- Apply concepts and implement scientific methods to real world environmental issues.
- Demonstrate an understanding of local environmental issues.

ACADEMIC PREPARATION:

It is highly recommended that the following criteria be met to begin this program, and it is **REQUIRED** by the completion of 24 credits:

12th-grade reading level is required (readiness to begin EN 101 – Composition). (A score of 80 or higher on the placement exam is required.)

Competency in Elementary Algebra is required and can be demonstrated by an

advanced regents diploma or College-level proficiency on Math Placement Examination.

COMPETENCY IN COLLEGE ALGEBRA IS HIGHLY RECOMMENDED.

High School Regent's level science courses in Biology, Chemistry and/or Physics are highly recommended.

LIBERAL ARTS REQUIREMENTS

30-32 Semester Hours

EN 101	Composition	3
EN 102	Composition and Literature	3
SL ELE	Social Science Electives	12
HU ELE	Humanities Elective	3
SL/HU ELE	Social Science <i>or</i> Humanities Elective	3
MA ELE	Mathematics Elective	3-4
SC ELE	Science Elective	3-4

PROGRAM REQUIREMENTS

30-32 Semester Hours

BI 103	General Ecology	4
BI 113	Environmental Studies	4
CH 101	General Chemistry I	4
CI/CS ELE	Computer Information Elective	3-4
MA ELE	Mathematics Elective	3-4
BI 101	General Biology <i>or</i>	4
CH 102	General Chemistry II	
MA/SC ELE	Mathematics/Science Electives	8

PHYSICAL EDUCATION REQUIREMENTS

2-3 Semester Hours

PE ELE	Physical Education Electives	
	<i>or</i>	
HE ELE	Health Electives	2-3
Grand Total		62-67

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SUGGESTED PROGRAM SEQUENCE

1st Semester

BI 113	Environmental Studies	4	CH 102	General Chemistry II <i>or</i>	3-4
CH 101	General Chemistry I	4	SC ELE	Science Elective	
MA ELE	Mathematics Elective	3-4	HU ELE	Humanities Elective	3
EN 101	Composition	3	EN 102	Composition & Literature	3
PE ELE	Physical Education Elective		SL ELE	Social Science Elective	3
	<i>or</i>		MA ELE	Mathematics Elective	3-4
HE ELE	Health Elective*	1-3	Total		15-17
Total		15-18			

2nd Semester

3rd Semester

BI 103	General Ecology	4	MA/SC ELE	Mathematics/Science Elective	4
MA/SC ELE	Mathematics/Science Elective	4	CI/CS ELE	Computer Information Elective	3-4
HI 125	U.S. Environmental History		HU ELE	Humanities Elective <i>or</i>	3
	<i>or</i>	3	SL ELE	Social Science Elective	
HI ELE	Social Science Elective		SL ELE	Social Science Electives	6
BI 101	General Biology I <i>or</i>	4	Total		16-17
SC ELE	Science Elective				
PE ELE	Physical Education Elective	1-3			
Total		16-18			

4th Semester

** Either one 3-semester health course or one 3-semester Physical Education course or two courses of any combination of HE or PE will satisfy the PE requirement. PE 111 Outdoor Activities is recommended.*

Transfer Opportunities Include: SUNY Plattsburgh, Marist College, SUNY Stony Brook, Paul Smith's College, SUNY Environmental Science and Forestry, (ESF) B.S. in Environmental Studies Program only.