

Liberal Arts & Sciences: Mathematics & Science (Environmental Science - Biophysical Transfer Advising Guide)

Associate in Science Degree

The Environmental Science option is a scientifically and mathematically rigorous program that provides a strong foundation in the sciences and introduces students to the interdisciplinary breadth of environmental science through a selection of core courses dealing with the geographical, physical, social, and living environments. It is designed for students who want to focus on scientific careers in fields such as conservation biology; climate and the atmosphere; pollution prevention and abatement; aquatic environments; or ecosystem protection, restoration, and management. This program requires significant field work, lab work, and other data-oriented work. The Environmental Science option is a transfer program that meets the requirements of the SUNY Environmental Science (Biophysical Track) Transfer Pathway. Upon successful completion of this coursework, a student should be well-positioned to finish their degree with an additional two years of study at another SUNY transfer college.

A mathematics course lower than MA125 will not count for graduation within the program; moreover, a student needing to take one or more of those courses may not be able to graduate within two years. Students with math placement scores higher than MA125 may substitute a higher math for MA125.

(a) Social Science Business Management Electives include: BM101, BM110, or BM115.

(b) Social Science Electives Include: PY101, SO101, or AN101.

(c) General Education Electives include: EN197, GE101, HI102, HI103, HI104, HI111, HI112, FL101, HU183, HU187, HU188, HU204, HU227, HU228, HU295, SO207, TH193, TH195, or any Foreign Language.

Total Credit Hours: 64

First Semester

CF100 College Foundations Seminar	1.0
EN101 English 1: Composition	3.0
MA125 College Algebra & Trig	4.0
BI141 General Biology 1	4.0
CH141 General Chemistry 1	4.0
PE Physical Education	0.5

Second Semester

EN102 English 2:Idea&Values Lit	3.0
MA150 Precalculus	4.0
BI142 General Biology 2	4.0
CH142 General Chemistry 2	4.0
PE Physical Education	0.5

Third Semester

MA151 Calculus 1	4.0
HI101 History of Civ 1	3.0
BI105 Environmental Science	4.0
GE Social Science BM Elective (a)	3.0
GE Social Science Elective (b)	3.0
PE Physical Education	0.5

Fourth Semester

BI202 Ecology	4.0
MA110 Elementary Statistics	3.0
PH261 Engineering Physics 1	4.0
PE Physical Education	0.5
General Education Elective (c)	3.0

Program Recommendations:

It is recommended students coming into this program have had at least two years of high school mathematics, or the equivalent, and two years of laboratory science. High school biology, chemistry, and physics are recommended.