

B.S. in Environmental Science

(127 credit minimum)

First Year

1st Semester		Term Credits
CHEM 121 or CHEM 125	Fundamentals of Chemical Principles I or General Chemistry I	3
CHEM 125A	General Chemistry Lab I	1
HUM 101	English Composition: Writing, Speaking, Thinking I	3
MATH 111	Calculus I	4
BIOL 200	Concepts in Biology	4
FRSH SEM	Freshman Seminar	0
Term Credits		15

2nd Semester

CHEM 122 or CHEM 126	Fundamentals of Chemical Principles II or General Chemistry II	3
CHEM 126A	Gen Chemistry Lab II	1
HUM 102	English Composition: Writing, Speaking, Thinking II	3
BIOL 205	Foundations of Biology: Ecology and Evolution Lecture	3
BIOL 206	Foundations of Biology: Ecology and Evolution Lab	1
Physical Education		1
EVSC 125	Fundamentals of Environmental Sciences	3
Term Credits		15

Second Year**1st Semester**

EPS 202	Society, Technology, and the Environment	3
R460 103	Planet Earth	3
R460 104	Planet Earth Lab	1
English Composition and Cultural History (lower-level) Elective		3
CHEM 222	Analytical Chemistry	3
PHYS 111	Physics I	3
PHYS 111A	Physics I Laboratory	1
Term Credits		17

2nd Semester

CHEM 243	Organic Chemistry I	3
R460 206	Env Geology	3
R460 207	Env Geology Lab	1
MATH 105	Elementary Probability and Statistics	3
BNFO 135 or CS 113	Programming for Bioinformatics or Introduction to Computer Science	3
CHEM 221	Analytical Chemical Methods	2
Select one of the following:		3
ECON 201	Economics	
ECON 265	Microeconomics	
ECON 266	Macroeconomics	
Term Credits		18

Third Year**1st Semester**

CHEM 360	Environmental Chemistry I	3
Elective (Open GUR)		3
MGMT 390	Principles of Management	3

LIT/HIST/PHIL/STS 300 level		3
Technical Elective		3
Physical Education		1
Term Credits		16
2nd Semester		
EVSC 375	Environmental Biology	3
R120 380	Field Ecology	3
EVSC 325	Energy and Environment	3
Free Elective		3
CHEM 361	Environmental Chemistry II	3
Term Credits		15
Fourth Year		
1st Semester		
EVSC 385	Environmental Microbiology	3
EVSC 484	Environmental Analysis	3
Technical Elective		3
Technical Elective		3
Technical Elective		4
Term Credits		16
2nd Semester		
EVSC 416	Environmental Toxicology	3
Humanities and Social Sciences (upper-level) 4XX HSS Capstone		3
Technical Elective		3
Technical Elective		3
Technical Elective		3
Term Credits		15
Total Credits		127

Technical Electives

Chemistry

CHEM 244	Organic Chemistry II	3
CHEM 473	Biochemistry	3
CHEM 231	Physical Chemistry I	3

Environmental Science

EVSC 385	Environmental Microbiology	3
EVSC 381	Geomorphology	3
EVSC 613	Environmental Problem Solving	3

Biology

BIOL 222	Evolution	3
BIOL 375	Conservation Biology	3
BIOL 475	Ecological Field Methods and Analysis	3
R120 330	Plant Physiology	4
R120 370	Plant Ecology	3
R120 371	Field Study Plant Ecology	3
R120 381	Ecological History of North Am	3
R120 470	Field Ecology	3
R120 481	Marine Biology	4
R120 352	Genetics	3

Civil and Environmental Engineering

CE 342	Geology	3
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Environmental Policy and Sustainability

EPS 312	Technology and Policy in Contemporary America	3
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EPS 313	Environmental History and Policy	3
EPS 360	Ethics and the Environment	3
EPS 362	Environmental Economics	3
EPS 380	Policy Issues in the Coastal Environment	3
EPS 381	Field Techniques and Research	3
Geology Courses		
R460 331	Oceanography	3
R460 427	Hydrogeology	3
Mathematics		
MATH 112	Calculus II	4

This curriculum represents the maximum number of credits per semester for which a student is advised to register. A full-time credit load is 12 credits.

First-year students are placed in a curriculum that positions them for success which may result in additional time needed to complete curriculum requirements. Continuing students should consult with their academic advisor to determine the appropriate credit load.