

ENVIRONMENTAL SCIENCE MAJOR, BS

Campus: NYC, Westchester

Major Completion Summary

Requirement	Credits
University Core Requirements	44-55
Major Requirements	44-47
Open Electives	22-40
Total Credits	128

University Core Requirements (44-55 Credits)

See complete University Core (<http://catalog.pace.edu/undergraduate/university-core-curriculum/>) requirements.

Includes several of the major-required courses listed below:

Code	Title	Credits
Foundation		
MAT 131	Calculus I	4
In Depth Sequence in Chemistry		
CHE 111	General Chemistry I	4
CHE 112	General Chemistry II	4
CHE 213	Foundations of Organic Chemistry	4

Note: Any of these major-required courses not taken for University Core credit must be taken for Open Elective credit.

Major Requirements (44-47 Credits)

Code	Title	Credits
Major Requirements		
BIO 101	General Biology I	4
BIO 102	General Biology II	4
MAT 141	Introductory Statistics for the Life Sciences ¹	4
PHY 101	College Physics I	4
Environmental Science and Studies Requirements		
ENV 100	Water, Wildlife and Windmills - An Introduction to Environmental Studies and Sciences	3
ENS 201	Fundamentals of Environmental Science I	4
ENS 202	Fundamentals of Environmental Science I	4
ENV 380	Introduction to Research Methods	3
<i>One of the following:</i>		3
ENS 486	Research in Environmental Science	
ENS 494	Internship in Environmental Science	
<i>One of the following:</i>		3
ENV 245	Environmental Justice	
ENV 265	Multiple Environmental Knowledges	
Major Electives		
Select 12-15 credits from the following three Elective Lists		12-15
<i>Elective List 1</i>		3
Select one of the following:		
ENV 225	Energy Policy	
ENS 326	Geographic Information Systems	
ENV 310	Environmental Policy and Sustainable Governance	
PHI 223	Environmental Ethics	

Elective List 2

3-4

Select one of the following:	
BIO 205	Concepts of Environmental Science
BIO 210	Ecology
BIO 264	Microbiology
BIO 281	Botany
BIO 307	Microbial Ecology
BIO 322	Animal Behavior
BIO 345	Introduction to Toxicology
BIO 399Z	Topics: Evolutionary Biology
CHE 221	Analytical Methods and Techniques
CHE 310	Green Chemistry
CHE 326	Biochemistry
ENV 288	Flora and Fauna of the Hudson Valley
ENV 344	Habitats of the Hudson Valley: Identification and Assessment
MAT 222	Applied Multivariable Statistical Methods

Elective List 3

6-8

Select two of the following, or from preceeding Elective Lists 1 and 2: ¹

ENV 140 Act Locally: Sustainable Design and You

ECO 310 Environmental Economics

Any ENS/ENV 200-level, or higher.

¹ May be taken within core.

Open Electives (22-40 Credits)

Code	Title	Credits
Open Electives		
Select 22-40 credits ¹		24-27
Total Credits		24-27

¹ Range of credits reflects variations in a student's University Core requirements.