

# Environmental Science BA

## FOUR-YEAR ACADEMIC PLAN

**12** Required Core Credits

**18** Flexible Core Credits

**12** College Option Credits

**42** Major Credits

**36** Elective Credits

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**120** Total

This 4-year academic plan is designed to help freshmen entering Queens College in Fall 2019 plan their academic career and ensure that they complete all requirements for graduation in a timely fashion. All other students should consult their academic and department advisors to chart their own 4-year academic plans. Students should note that course pre-requisite/s and co-requisite/s are strictly enforced and they should regularly meet with their department advisors to identify their specific major/minor requirements and entrance and maintenance criteria (if applicable) for successful completion of their degree.

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### Freshman

#### FALL

English Composition I (EC1)	3 credits
World Cultures & Global Issues (WCGI)	3 credits
US Experience in Its Diversity (USED)	3 credits
College Option Language (LANG)	4 credits
Creative Expression (CE)	3 credits

**Fall total credits** **16 credits**

#### SPRING

English Composition II (EC2)	3 credits
Individual & Society (IS)	3 credits
Math 151 (MQR)	4 credits
Calculus I	
GEOL 101 (LPS)	4 credits
Physical Geology	
Second major, minor, or general electives***	3 credits

**Spring total credits** **17 credits**

### Sophomore

#### FALL

ENSCI 100 (SW)	4 credits
Our Planet in 21st Century	
CHEM 1134 + 1131 (SCI)	5 credits
General Chemistry I with Lab	
College Option Literature (LIT + W)*	3 credits
Second major, minor, or general electives	3 credits

**Fall total credits** **15 credits**

#### SPRING

ENSCI 200	3 credits
Earth Systems Science	
PHYS 1214 + 1211 (SW)	5 credits
BIOL 105 (SCI)	4 credits
General Biology I	
Second major, minor, or general electives	3 credits

**Spring total credits** **15 credits**

\*If a Literature course is taken with a W, it will count towards Literature and one Writing Intensive Unit.

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### Junior

#### FALL

GEOL 208 3 credits  
 Surficial Processes and Products  
 (or other Core Course major elective\*\*)  
 Environ. Microbio.  
 Second major, minor, or general electives 12 credits

**Fall total credits 15 credits**

#### SPRING

GEOL 356 3 credits  
 (or other Advanced Course major elective\*\*)  
 Advanced Oceanography  
 GEOL 347 3 credits  
 (or other Advanced Course major elective\*\*)  
 Principles of Hydrology  
 Second major, minor, or general electives 9 credits

**Spring total credits 15 credits**

### Senior

#### FALL

ENSCI 373W (W) 3 credits  
 Environmental Problem Solving  
 Second major, minor, or general electives 12 credits

**Fall total credits 15 credits**

#### SPRING

Second major, minor, or general electives 12 credits

**Spring total credits 15 credits**

\*\*Environmental Science electives:

Core Course electives: GEOL 216 Oceans and Atmosphere; BIOL 201 General Microbiology

Advance Course electives: GEOL 318 Soils in the Environment; GEOL 328 Volcanoes & Climate; GEOL 342 Introduction to Meteorology; GEOL 347 Principles of Hydrology; GEOL 349 Environmental Geology; GEOL 356; Advanced Oceanography; GEOL 370 Biogeochemistry; GEOL 363 GIS in the Geosciences; ENSCI 203 Environmental Microbiology; 377 Biosphere-Atmosphere Interactions; BIOL 340 General Ecology; ENSCI or GEOL 383 Special topics in Environmental Science/Geosciences; ENSCI 397 Internship in Environmental Science .

\*\*\*General Electives: Students may complete general electives by taking courses in (most) department/s or programs they choose; however, depending on the course/program, students may need department permission and/or prerequisite course/s. Electives may be used to supplement the chosen major (an English major may want to take a course in French or Italian literature) or to fulfill interest in a different area (a Music major may be interested in the physics of sound). Students are encouraged to use available electives to complete a dual major, minor, pre-requisites for graduate or professional school, or complete and internship, experiential learning and/or study abroad. Students are encouraged to use their available general electives wisely and focus on coursework that will assist them personally, academically and professionally.