

QUEENS COLLEGE

# 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

*This 4-year academic plan is for freshmen entering Queens College in Fall 2021. Our 4-year academic plans are illustrative examples of integrated degree requirements and course sequencing for each of the College's programs of study which are designed to ensure degree completion in a timely manner. Students are advised to meet with professional and faculty advisors to tailor their degree maps to their individual interests (academic and career goals), as well as other considerations including course offerings and the incorporation of winter and summer sessions. Course pre-requisite/s and co-requisite/s are strictly enforced, as are entrance and maintenance criteria (if applicable) for the successful completion of the 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 21 <sup>st</sup> Century	
CHEM 1134 + 1131 (SCI)	5 credits
General Chemistry I with Lab	
PHYS 1214 + 1211 (SW)	5 credits
College Option Literature (LIT + W)*	3 credits

**Fall Total** credits **17** credits

### SPRING

ENSCI 200	3 credits
Earth Systems Science	
BIOL 105 (SCI)	4 credits
General Biology I	
Second major, minor, or general electives	8 credits
<b>Spring Total</b> credits	<b>15</b> 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 Surficial Processes and Products (or other Core Course major elective**) Environ. Microbio. Second major, minor, or general electives	3 credits    12 credits
<b>Fall Total</b> credits	<b>15</b> credits

### SPRING

GEOL 356 (or other Advanced Course major elective**) Advanced Oceanography GEOL 347 (or other Advanced Course major elective**) Principles of Hydrology Second major, minor, or general electives	3 credits   3 credits  9 credits
<b>Spring Total</b> credits	<b>15</b> credits

## Senior

### FALL

ENSCI 373W (W) Environmental Problem Solving Second major, minor, or general electives	3 credits  12 credits
<b>Fall Total</b> credits	<b>15</b> credits

### SPRING

Second major, minor, or general electives	12 credits
<b>Spring Total</b> credits	<b>12</b> 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 328W 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.