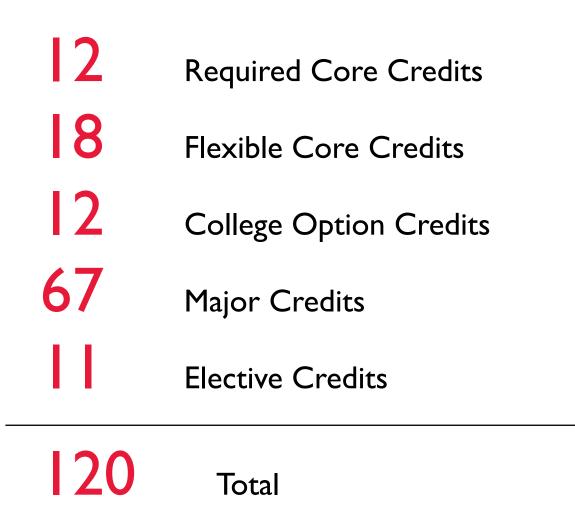
# QUEENS COLLEGE Enviromental Science BS

FOUR YEAR ACADEMIC PLAN



This 4-year academic plan is designed to help freshmen entering Queens College in Fall 2020 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.





## **QUEENS COLLEGE**

# **Enviromental Science BS**

## FOUR YEAR ACADEMIC PLAN

# Freshman

### FALL

SPRING
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SPRING

English Composition I (ECI)	3 credits	English Composition II (EC2)	3 credits
Individual & Society (IS)	3 credits	US Experience in Its Diversity (USED)	3 credits
ENSCI 100 (SW)	4 credits	GEOL 101 (LPS)	4 credits
Our Planet in 21st Century		Physical Geology	
BIOL 105 (SW)	4 credits	World Cultures & Global Issues (WCGI)	3 credits
General Biology I		Creative Expression (CE)	3 credits
General Elective	l credit		
		Spring Total Credits	l 6 credits
Fall Total Credits	15 credits		

# Sophomore

### FALL

PHYS 1214 + 1211 (SCI)	5 credits	ENSCI 200	3 credits
General Physics I with Lab Math 151 (MQR)	4 credits	Earth Systems Science GEOL 102 (SCI)	4 credits
Calculus I CHEM 1134 + 1131 (SCI)	5 credits	Historical Geology ENSCI 203	3 credits
General Chemistry I with Lab General Elective	l credit	(or other Core Course major elective*) Environmental Microbiology	
	rcredit	College Option Literature (LIT + W)**	3 credits
Fall Total Credits	15 credits	College Option Language (LANG)	4 credits

Spring Total Credits 17 credits

General Education requirements may be taken in any order if the pre-requisite requirement(s) is/are satisfied.

 $\ast$  See list of Core, Advanced, Supporting science and Statistics major electives.

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





# **QUEENS COLLEGE**

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# Junior

#### FALL

MATH 152	4 credits
(other elective Supporting Science course*)	
Calculus II	
GEOL 216	4 credits
(or other Core Course major elective*)	
Oceans and Atmosphere	
BIOL 106	4 credits
(other elective Supporting Science course*)	
General Biology II	
Second major, minor, or general electives	3 credits

## Fall Total Credits

## Senior

#### FALL

ENSCI 373W (W)	3 credits	
Environmental Problem Solving		
GEOL 347	3 credits	
(or other Advanced Course major elective*)		
Principles of Hydrology		
GEOL 356	3 credits	
(or other Advanced Course major elective*)		
Adv. Oceanography		
Second major, minor, or general electives	6 credits	

## **BIOL 230**

SPRING

Spring total credits	l6 credits
Second major, minor, or general electives	9 credits
Soils in the Environment	
(or other Advanced Course major elective?	*)
GEOL 318	4 credits
Biostatistics	
(other elective major Statistics Course*)	
BIOL 230	3 credits

#### SPRING

ENSCI 377	3 credits	
(or other Advanced Course major elective*)		
Biosphere-Atmos. Inter.		
Second major, minor, or general electives	10 credits	

#### **Spring Total Credits**

13 credits

## **Fall Total Credits**

15 credits

15 credits

\*Environmental Science electives:

Core Course electives: GEOL 208 Surficial Processes; BIOL 201 General Microbiology;

Advanced 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; ENSCI 377 Biosphere-Atmosphere Interactions; BIOL 340 General Ecology; ENSCI or GEOL 383 Special topics in Environmental Science/Geosciences; ENSCI 397 Internship in Environmental Science

Supporting Science electives for BS: MATH 114 (or Math 241 or Biol 230); BIOL 106 General Biology 2; GEOL 102 Historical Geology; CHEM 114.4/. I General Chemistry 2; PHYS 122.4./.1 General Physics 2; MATH 152 Calculus 2 (or Math 142); GEOL 200 Geologic Methods

\*\*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.



