

# Environmental Science BS

## FOUR-YEAR ACADEMIC PLAN

12 Required Core Credits

18 Flexible Core Credits

12 College Option Credits

67 Major Credits

11 Elective credits

This 4-year academic plan is for freshmen entering Queens College in Fall 2024.

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
Individual & Society (IS)	3 credits
ENSCI 100 (SW)	4 credits
Our Planet in 21st Century	
BIOL 105 (SW)	4 credits
General Biology I	
General Elective**	1 credit

**Fall total credits 15 credits**

#### SPRING

English Composition II (EC2)	3 credits
US Experience in Its Diversity (USED)	3 credits
GEOL 101 (LPS)	4 credits
Physical Geology	
Math 151¥ (or equivalent) (MQR)	4 credits
Calculus I	
World Cultures & Global Issues (WCGI)	3 credits

**Spring total credits 17 credits**

### Sophomore

#### FALL

Creative Expression (CE)	3 credits
PHYS 1214 + 1211 (SCI)	5 credits
General Physics I with Lab	
CHEM 1134 + 1131 (SCI)	5 credits
General Chemistry I with Lab	
General Elective**	2 credits

**Fall total credits 15 credits**

#### SPRING

ENSCI 200	3 credits
Earth Systems Science	
One 200-level Core course from	3/4 credits
GEOL 208, 216, BIOL 201, or URBSTD 230	
College Option Literature (LIT + W)*	3 credits
College Option Language (LANG)	6 credits

**Spring total credits 15 credits**

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

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

¥ Students who fail or withdraw from this course multiple times may be prohibited from majoring in the sciences or mathematics; see your department for questions.

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### Junior

#### FALL

Two 300-level Advanced Courses from GEOL 318, 328, 342, 347, 349, 363, 370, 383; ENSCI 303, 377, 383, 397; BIOL 340.†	6 credits
One course from MATH 114 or MATH 241 or BIOL 230	3 credits
Second major, minor, or general electives**	6 credits

**Fall total credits 15 credits**

#### SPRING

12 credits from introductory Mathematics and Science courses including GEOL 102, BIOL 106, CHEM 114.4 and 114.1, MATH 152 (or equivalent) or PHYS 122.4 and 122.1 or GEOL 200 (in consultation with faculty advisor)	12 credits
Second major, minor, or general electives**	3 credits

**Spring total credits 15 credits**

### Senior

#### FALL

ENSCI 373W (W)	3 credits
Environmental Problem Solving	3 credits
One additional 200-level Core Course (in consultation with faculty advisor)	3 credits
Second major, minor, or general electives	9 credits

**Fall total credits 15 credits**

#### SPRING

Two additional 300-level Advanced Courses (in consultation with faculty advisor)	6 credits
Second major, minor, or general electives	9 credits

**Spring total credits 15 credits**

† Since additional advanced courses will be added to this list in the future, students are advised to check with the Undergraduate Advisor to find out about recently approved additions.

\*\*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.