

QUEENS COLLEGE

Geology BS

FOUR-YEAR ACADEMIC PLAN

12 Required Core Credits

18 Flexible Core Credits

12 College Option Credits

61 Major Credits

17 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
GEOL 101 (LPS)	4 credits
Introduction to Planet Earth	
World Culture & Global issues (WCGI)	3 credits
U.S Experience in its Diversity (USED)	3 credits
Creative Expression (CE)	3 credits

Fall total credits 16 credits

SPRING

English Composition II (EC2)	3 credits
GEOL 102 (SW)	4 credits
History of Earth & Life	
MATH 141* or 151¥ (MQR)	3 credits
Calculus/Differentiation and Integration	
Individual & Society (IS)	3 credits
An Additional Flexible Core	3 credits

Spring total credits 16 credits

Sophomore

FALL

GEOL 200	3 credits
Methods in Geoscience	
MATH 142 or 152¥	3 credits
Calculus/Integration & Infinite Series	
Minor or General electives***	9 credits

Fall total credits 15 credits

SPRING

15 credits among: (SCI)	5 credits
CHEM 113.4 and 113.1, CHEM 114.4 and 114.1, PHYS 121.4 and 121.1 or 145.4 and 145.1, PHYS 122.4 and 122.1 or 146.4 and 146.1.	
College Option Literature (LIT +W) With Writing Intensive Unit**	3 credits
College Option Language (LANG)	4 credits
Minor or General electives	3 credits

Spring total credits 15 credits

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

*Depends on student's math placement. May require pre-calculus.

**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

15 credits among: (SCI) 5 credits
 CHEM 113.4 and 113.1, CHEM 114.4 and 114.1,
 PHYS 121.4 and 121.1 or 145.4 and 145.1,
 PHYS 122.4 and 122.1 or 146.4 and 146.1.
 ¥Two courses among: 6 credits
 GEOL 201, 203, 208, 213W, 214,
 and 216.
 Minor or General electives 4 credits

Fall total credits

15 credits

SPRING

15 credits among: (SCI) 5 credits
 CHEM 113.4 and 113.1, CHEM 114.4 and 114.1,
 PHYS 121.4 and 121.1 or 145.4 and 145.1,
 PHYS 122.4 and 122.1 or 146.4 and 146.1.
 ¥Two courses among: 6 credits
 GEOL 201, 203, 208, 213W, 214,
 and 216.
 Minor or General electives 4 credits

Spring total credits

15 credits

SUMMER SESSION I		
GEOL 361.3	GEOLOGICAL PROBLEM SOLVING I	3 credits

Senior

FALL

ENSCI 100 (LPS, SWT, SCI) 4 credits
 Our Planet in the 21st Century
 €First Advanced and Elective Course 3 credits
 €Second Advanced and Elective Course 3 credits
 One Writing Intensive Unit (W) 3 credits
 Minor or General electives 2 credits

Fall total credits

15 credits

SPRING

€Third Advanced and Elective Course 3 credits
 Minor or General electives 12 credits

Spring total credits

15 credits

¥**Four courses among:** GEOL 201, 203, 208, 213W, 214, and 216.

€**Advanced and Elective Courses:**

Three additional courses among GEOL 201, 202, 208, 213W, 214, 216, 318, 328W, 330, 333, 347, 363, 365, 370 and ENSCI 200, 303. Up to 3 credits of GEOL/ENSCI 383 may also count towards this requirement. Students interested in the New York State Professional Geologist title are advised to take GEOL 333, 347, and 363 as electives.

***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.