

Geology BS

12

Required Core Credits

18

Flexible Core Credits

12

College Option Credits

67

Major Credits

11

Elective Credits

This 4-year academic plan is designed to help freshmen entering Queens College in Fall 2023. 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.

Geology BS

Freshman

FALL

English Composition I (EC1)	3 credits
GEOL 101 (LPS)	4 credits
Physical Geology	
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
Historical Geology	
MATH 151*¥ (MQR)	4 credits
Calculus/Differentiation and Integration Individual & Society (IS)	3 credits

Spring total credits 14 credits

Sophomore

FALL

GEOL 200	3 credits
Methods in Geoscience	
CHEM 1134+1131 (SCI)	5 credits
General Chemistry I	
MATH 152¥	4 credits
Calculus/Integration & Infinite Series	
An Additional Flexible Core	3 credits

Fall total credits 15 credits

SPRING

GEOL 201	4 credits
Minerals, Igneous and Metamorphic	
CHEM 1144+1141 (SCI)	5 credits
General Chemistry II	
College Option Literature (LIT +W With Writing Intensive Unit**)	3 credits
College Option Language (LANG)	4 credits

Spring total credits 16 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 and/or Math 141 sequence.

**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

GEOL 208 Sedimentology and Landscape	4 credits
PHYS 1454+1451 (SW) or 1214+1211 General Physics I with Lab or Principle of Physics I with Lab	5 credits
One Writing Intensive Unit (W)	3 credits
Minor or General electives***	3 credits

Fall total credits 15 credits

SPRING

GEOL 214 Earth's Internal Processes	3 credits
PHYS 1464+1461 (SW) or 1224+1221 General Physics II with Lab or Principle of Physics II with Lab	5 credits
Minor or General electives	6 credits

Spring total credits 14 credits

SUMMER SESSION I		
GEOL 361	GEOLOGY IN THE FIELD	3 credits

Senior

FALL

ENSCI 100 (LPS, SWT, SCI) Our Planet in the 21st Century	4 credits
GEOL Elective****	3 credits
Minor or General electives	8 credits

Fall total credits 15 credits

SPRING

GEOL elective****	3 credits
GEOL elective****	3 credits
Minor or General electives	6 credits

Spring total credits 15 credits

***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.

****Three electives chosen from: 200- and 300-level Geology courses, ENSCI 200 and ENSCI 203.