

Geology Secondary Education 7-12 BA

FOUR-YEAR ACADEMIC PLAN

12 Required Core Credits

18 Flexible Core Credits

12 College Option Credits

48+27 (SEYS) Major Credits

3 Elective Credits

120 Total

This 4-year academic plan is designed to help freshmen entering Queens College in Fall 2019 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.

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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	
GEOL 201	4 credits
Minerals, Igneous and Metamorphic College Option Literature(LIT+W) 3 credits With Writing Intensive Unit**	
College Option Language (LANG)	4 credits
Minor or general electives***	3 credits

Fall total credits **17 credits**

SPRING

CHEM 1134 + 1131 (SCI)	5 credits
General Chemistry I with Lab	
GEOL 216	3 credits
Oceans and Atmosphere And Additional Flexible Core	3 credits
Minor or general electives***	4 credits

Spring total credits **15 credits**

Note: Some required Geology courses are currently offered each semester, others annually or on a 3-semester rotation. Sequence shown below will vary depending on where a student enters the rotation, but there is enough flexibility to guarantee completion of the BA degree in 4 years.

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 + Math 141

**If a Literature course is taken with a W, it will count towards Literature and one Writing Intensive Unit.
Completion of 21 credits in major with 2.75 GPA or higher
3.0 GPA in SEYS courses required to continue in program

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Junior

FALL

GEOL 208 Sedimentology and Landscape	4 credits
PHYS 1454+ 1451 (SCI) or 1214 + 1211 General Physics I with Lab	5 credits
SEYS 201W (W) Historical, Social, and Philosophical Foundations of Education	3 credits
SEYS 221 Development and Learning in Middle Child and Adolescence	3 credits

Fall total credits 15 credits

SPRING

GEOL 214 Earth's Internal Processes	3 credits
Geology electives (200 level & 300 level) SEYS 340 Language, Literacy, & Culture in Education	3 credits 3 credits
SEYS 362 Methods in Teaching Science in Middle & High School	3 credits
ECPS 350 Foundations of Special Education	3 credits

Spring total credits 15 credits

Senior

FALL

ENSCI 100 (LPS, SW, SCI) Our Planet in 21st Century	4 credits
SEYS 372.2 Student Teaching Initial Clinical Experience in Science for Secondary School	3 credits
SEYS 382 Curriculum and Assessment in Teaching Science	3 credits
SEYS 350 Cognition, Technology & Instruction For Diverse Learners	3 credits
General electives	2 credits

Fall total credits 15 credits

SPRING

Geology Electives (200 level & 300 level) SEYS 372.4	3 credits 3 credits
Student Teaching Clinical Experience in Science for Secondary School Minor or general electives	9 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.