

QUEENS COLLEGE

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

This 4-year academic plan is for freshmen entering Queens College in Fall 2021. 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
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
credits**

14

Sophomore

FALL

GEOL 200	3 credits
Methods in Geoscience	
GEOL 201	4 credits
Minerals, Igneous and Metamorphic College Option Literature(LIT+W) With Writing Intensive Unit**	3 credits
College Option Language (LANG)	4 credits
Minor or general electives***	3 credits

**Fall total credits
credits**

17

SPRING

CHEM 1134 + 1131 (SCI)	5 credits
General Chemistry I with Lab	
GEOL 216	3 credits
Oceans and Atmosphere And Additional Flexible Core Minor or general electives***	3 credits 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)	3 credits
Historical, Social, and Philosophical Foundations of Education	
SEYS 221 Development and Learning in Middle Child and Adolescence	3 credits

SPRING

GEOL 214 Earth's Internal Processes	3 credits
Geology electives (200 level & 300 level)	3 credits
SEYS 340 Language, Literacy, & Culture in Education	3 credits
SEYS 362 Methods in Teaching Science in Middle & High School	3 credits
ECPSE 350 Foundations of Special Education	3 credits
Spring total credits	15 credits

Senior

FALL

ENSCI 100 (LPS, SW, SCI) Our Planet in 21 st 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)	3 credits
SEYS 372.4 Student Teaching Clinical Experience in Science for Secondary School	3 credits
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.