

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

120 Total

This 4-year academic plan is designed to help freshmen entering Queens College in Fall 2020 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

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|--|-----------|
| 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

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|---|-----------|
| 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

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|---|-----------|
| 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 **17 credits**

SPRING

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|---|-----------|
| 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

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|--|-----------|
| 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

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|--|------------------------|
| 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 |
| ECPSE 350 Foundations of Special Education | 3 credits |

Spring total credits 15 credits

Senior

FALL

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|---|-----------|
| 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

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|---|------------------------|
| 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.