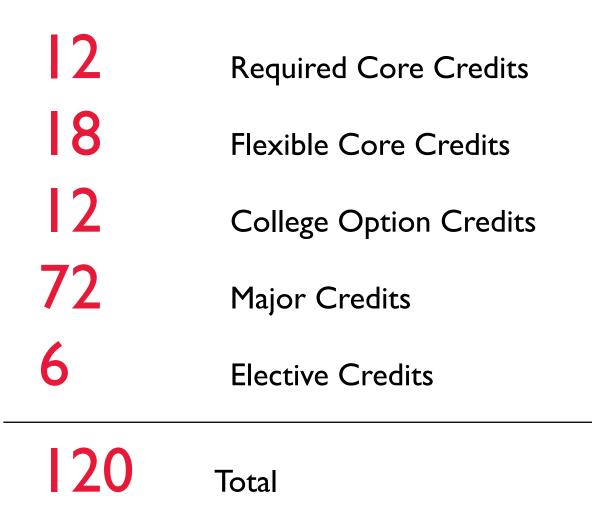
QUEENS COLLEGE Applied Mathematics BA Biology/Chemistry Track FOUR YEAR ACADEMIC PLAN



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.





QUEENS COLLEGE Applied Mathematics BA Biology/Chemistry Track

FOUR YEAR ACADEMIC PLAN

Freshman

FALL

English Composition I (ECI)	3 credits	English Composition II (EC2)	3 credits
MATH 122 (MQR) Pre-calculus	4 credits	MATH 151 (or equivalent) Calculus I	4 credits
CHEM 1134&1131 (LPS) General Chemistry I	5 credits	CHEM 1144&1141 (SW) General Chemistry II	5 credits
World Cultures & Global Issues (WCGI)	3 credits	US Experience in its diversity (USED)	3 credits
Fall total credits	15 credits	Spring total credits	15 credits

Sophomore

FALL SPRING MATH 152 (or equivalent) 4 credits LCD 220 3 credits Calculus II Advanced English Syntax BIOL 105 (SW) 4 credits 3 credits LCD 240 General Biology I Second Language Acquisition and Teaching MATH 241 3 credits Any Foreign Language (WCGI/LANG) 3 credits Probability & Statistics College Option Literature (LIT) 3 credits Creative expression (CE) 3 credits (CMLIT 101 suggested) General electives I credit 3 credits Second major, minor, or general Elective** Fall total credits 15 credits **Spring total credits** 15 credits

General Education requirements may be taken in any order if the pre-requisite requirement(s) is/are satisfied. ¥The following sequences of classes are considered the equivalents of MATH 151 and MATH 152: MATH 141, 142, and 143; MATH 131, 132, and 143; MATH 151, 142, and 143, MATH 157 and 158.





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Junior

FALL

SPRING

MATH 202 (or 207)	4 credits	Math Elective®	3 credits
Advanced Calculus		(in consultation with Math Dept. advisor)	
MATH 231	4 credits	Math Elective®	3 credits
Linear Algebra		(in consultation with Math Dept. advisor)	
College Option Literature (LIT+W)	3 credits	One Writing Intensive Unit (W)	3 credits
With Writing Intensive Unit*		An Additional College Core	3 credits
Foreign Language (LANG)	4 credits	Second major, minor, or general electives	3 credits
Fall total credits	15 credits	Spring total credits	15 credits

Senior

FALL SPRING Math Elective® 3 credits Math Elective® 3 credits (in consultation with Math Dept. advisor) (in consultation with Math Dept. advisor) Math Elective® 3 credits Math Elective® 3 credits (in consultation with Math Dept. advisor) (in consultation with Math Dept. advisor) 9 credits 9 credits Second major, minor, or general electives Second major, minor, or general electives Fall total credits 15 credits Spring total credits 15 credits

* If a Literature course is taken with a W, it will count towards Literature and one Writing Intensive Unit.

At least eighteen credits of the MATH required and elective courses must be taken at Queens College.

**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.

® Six elective MATH courses at the 200-, 300-, 600-, or 700-level (not including MATH 271, 272, or 385).



