QUEENS COLLEGE

Chemistry BA

FOUR-YEAR ACADEMIC PLAN

12	Required Core Credits
18	Flexible Core Credits
12	College Option Credits
51	Major Credits
27	Elective Credits

This 4-year academic plan is for freshmen entering Queens College in Fall 2024.

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 (ECI)	3 credits	English Composition II (EC2)	3 credits
MATH 122¥ (MQR)	4 credits	MATH I5I¥	4 credits
Precalculus		Calculus I	
CHEM 1134 & 1131 (LPS)	5 credits	CHEM 1144 & 1141 (SW)	5 credits

SPRING

General Chemistry I

World Cultures & Global Issues (WCGI)

General Chemistry II

U.S Experience in its Diversity (USED)

3 credits

Fall total credits 15 credits Spring total credits 15 credits

Sophomore

FALL	SPRING
FALL	SPRING

Fall total credits	15 credits	Spring total credits	I6 credits
Individual and Society (IS)	3 credits	General electives*	3 credits
Creative Expression (CE)	3 credits	College Option Language (LANG)	4 credits
Calculus II		General Biology I	
MATH 152¥	4 credits	BIOL 105 (SCI)	4 credits
Organic Chemistry I		Organic Chemistry II	
CHEM 2514 & 2511 (SCI)	5 credits	CHEM 2524 & 2521	5 credits

General Education requirements may be taken in any order if the pre-requisite requirement(s) is/are satisfied.





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Junior

FALL		SPRING	
CHEM 3313 & 3311W	4 credits	CHEM 212	4 credits
Inorganic Chemistry		Quantum Chemistry and Spectroscopy	
CHEM 211	4 credits	PHYS 1464 & 1461 (LPS, SW, SCI)	5 credits
Chemical Thermodynamics and Kinetics		Principles of Physics II	
PHYS 1454 & 1451 (LPS, SW, SCI)	5 credits	CHEM 291 or chem 391.1	I credits
Principles of Physics I		Research in Chemistry and Biochemistry	
General Electives	3 credits	College Option Literature (LIT)	3 credits
		General electives	3 credits

Spring total credits

SPRING

16 credits

Senior

FΔII

Fall total credits

3 credits
3 credits
9 credits
15 credits

Fall total credits 15 credits

[¥] 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.





16 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.

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