

QUEENS COLLEGE

Biology BA

FOUR-YEAR ACADEMIC PLAN

12 Required Core Credits

18 Flexible Core Credits

12 College Option Credits

55 Major Credits

23 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.



Biology BA

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Freshman

FALL

English Composition I (EC1)	3 credits
MATH 132, or MATH 142, or MATH 151 or BIOL 230 †¥ (MQR)	4 credits
Calculus/Differentiation & Integration BIOL 105# (SW)	4 credits
General Biology I	
College Option Language (LANG)	4 credits

Fall total credits 15 credits

SPRING

English Composition II (EC2) (BIOL 13 recommended)	3 credits
BIOL 106# (SCI)	4 credits
CHEM 1134+1131 (LPS)	5 credits
General Chemistry I	
Creative Expression (CE)	3 credits

Spring total credits 15 credits

Sophomore

FALL

BIOL 285 Principles of genetics OR BIOL 286, or 287 (choose 2 of 3)	4/3 credits
Biology Electives*	4 credits
Laboratory course or Lecture course CHEM 1144 +1141 (SW)	5 credits
General Chemistry II	
Individual & Society (IS)	3 credits

Fall total credits 15 credits

SPRING

BIOL 285 Principles of genetics OR BIOL 286, or 287 (choose 2 of 3)	4/3 credits
Biology Electives*	4 credits
Laboratory course or Lecture course Major or non-major Electives*** (non-major electives MATH 152¥ or PHYS 121 recommended)	4/5 credits
Major or non-major Electives***	3 credits

Spring total credits 15 credits

† Please speak to the math department or a biology advisor if you are not eligible to take Math 132, or Math 142, or Math151 in your first semester.

* 20 or 21 Biology credits must be 200-level courses & above, of which at least three of the advanced courses, not including BIOL 344, 381, 390, 391, 395, or 396, must be at the 300 level, and at least four must be laboratory courses.

* Course selection must be made in consultation with a departmental advisor.

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

BIOL 105 and BIOL 106 can be taken out of sequence. Students can be registered into BIOL 106 by the department if they cannot get BIOL 105 first.

¥ 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.

Biology BA

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Junior

FALL

Biology Electives*	3/4 credits
Laboratory course or Lecture course	
CHEM 2514 + 2511 (SCI)	4/5 credits
Organic Chemistry I	
OR CHEM 1023+1021	
World Cultures & Global Issues (WCGI)	3/4 credits
Major or non-major Electives***	3/4 credits

Fall total credits 15 credits

SPRING

Biology Electives*	4 credits
Laboratory course or Lecture course	
College Option Literature (LIT+W)	3 credits
With Writing Intensive Unit**	
US Experience in Its Diversity (USED)	3 credits
Major or non-major Electives***	4 credits
Colloquium in Biology	

Spring total credits 15 credits

Senior

FALL

Biology Electives*	3 credits
Laboratory course or Lecture course	
One Writing Intensive Unit (W)	3 credits
Major or non-major Electives***	3/4 credits
Major or non-major Electives***	3/4 credits
Major or non-major Electives***	3/4 credits

Fall total credits 15 credits

SPRING

Biology Electives*	3 credits
Major or non-major Electives***	3/4 credits
Major or non-major Electives***	3/4 credits
Major or non-major Electives***	3/4 credits
Major or non-major Electives***	3 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.