

Biology BA

FOUR-YEAR ACADEMIC PLAN

12 Required Core Credits

18 Flexible Core Credits

12 College Option Credits

55 Major Credits

23 Elective Credits

120 Total

This 4-year academic plan is designed to help freshmen entering Queens College in Fall 2018 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.

Biology BA

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Freshman

FALL

English Composition I (EC1)	3 credits
MATH 151 or MATH 142 † (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 286	3/4 credits
Principles of Cell Biology OR BIOL 287 Principles of Evol. Biology Biology Electives*	4 credits
Laboratory course or Lecture course (BILO 220*/230* recommended)	
CHEM 1144 +1141 (SW)	5 credits
General Chemistry II Individual & Society (IS)	3 credits

Fall total credits 15 credits

SPRING

Principles of Cell Biology OR BIOL 285	3/4 credits
Principles of Genetics Biology Electives*	4 credits
Laboratory course or Lecture course (BIOL 226*/310* recommended)	
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 151 or MATH 142 in your first semester.

* Biology major's electives may be Laboratory/Field courses or lecture-only courses. Students must complete at least four (4) courses with a laboratory or field component in this category. At least three (3) electives must be at the 300-level or above. Consult with a biology department advisor in choosing major's elective courses.

*** 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

Biology BA

FOUR-YEAR ACADEMIC PLAN

Junior

FALL

Biology Electives*	3/4 credits
Laboratory course or Lecture course (BIOL 385/386/315*/325/365*/373 recommended)	
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 crs	

Fall total credits 15 credits

SPRING

Biology Electives*	4 credits
Laboratory course or Lecture course (BIOL 201*/326*/340/345/350 recommended)	
College Option Literature (LIT+W) With Writing Intensive Unit**	3 credits
US Experience in Its Diversity (USED)	3 credits
Major or non-major Electives***	4 credits
BIOL 381	1 credit
Colloquium in Biology	

Spring total credits 15 credits

Senior

FALL

Biology Electives*	3 credits
Laboratory course or Lecture course (BIOL 363*/366/245 recommended)	
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

Major or non-major Electives***	3/4 credits
(BIOL 362*/367 recommended)	
Major or non-major Electives***	3/4 credits
Major or non-major Electives***	3/4 credits
Major or non-major Electives***	3/4 credits
General 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 an 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.