12 Required Core Credits

18 Flexible Core Credits

12 College Option Credits

52 Major Credits

26 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.

QUEENS COLLEGE · CUNY

Mathematics BA
Pure Math Option
FOUR-YEAR ACADEMIC PLAN

Freshman

FALL

English Composition I (EC1)	3 credits
MATH 122 (MQR)	4 credits
Pre-calculus	
World Cultures & Global Issues (WCGI)	3 credits
US Experience in Its Diversity (USED)	3 credits
Creative Expression (CE)	3 credits
Fall total credits	**16 credits**

SPRING

English Composition II (EC2)	3 credits
MATH 151¥€ (or equivalent)	4 credits
Calculus I	
Individual and Society (IS)	3 credits
Scientific World (SW)	3 credits
An Additional Flexible Core	3 credits
Spring total credits	**16 credits**

Sophomore

FALL

MATH 152¥€ (or equivalent)	4 credits
Calculus II	
MATH 231€	4 credits
Linear Algebra	
College Option Literature (LIT+W)	3 credits
With Writing Intensive Unit*	
Foreign Language (LANG)	4 credits
Fall total credits	**15 credits**

SPRING

MATH 201€	4 credits
Multi-Variable Calculus	
PHYS 1454&1451 (LPS)	5 credits
Principle of Physics I	
One Writing Intensive Unit (W)	3 credits
An Additional College Core	3 credits
Spring total credits	**15 credits**

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

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

 ¥ 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.

€ Students who are majoring in mathematics may not enroll in MATH 115, 122, 131, 132, 141, 142, 143, 151, 152, 201, or 231 if they have withdrawn from or received a failing grade (F, FIN, W, WD, WN, WU) in that same course three times. Students may not declare a major in mathematics if they have withdrawn from or received a failing grade three times in any one of MATH 115, 122, 131, 132, 141, 142, 143, 151, 152, 201, or 231.

QUEENS COLLEGE
CUNY

Mathematics BA
Pure Math Option
FOUR-YEAR ACADEMIC PLAN

Junior

FALL

MATH 202 (or 207)	4 credits
Advanced Calculus	
PHYS 1464&1461 (SCI)	5 credits
Principles of Physics II	
Math Elective®	3 credits
(in consultation with Math Dept. advisor)	
Math Elective®	3 credits
(in consultation with Math Dept. advisor)	
Fall total credits	**15 credits**

SPRING

MATH 310	4 credits
Real Analysis	
MATH 301 (or 601) Abstract Algebra I	4 credits
Introduction to Algebraic Structures	
Math Elective®	3 credits
(in consultation with Math Dept. advisor)	
Math Elective®	3 credits
(in consultation with Math Dept. advisor)	
Second major, minor, or general electives	1 credits
Spring total credits	**15 credits**

Senior

FALL

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

SPRING

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

® And EIGHT mathematics courses, each of which is at least
three credits, at the 200-, 300-, 600-, or 700-level (excluding MATH 205, 218, 255, 271, 272, and any course numbered in the 280s or 380s).
Up to two of the following courses may be taken to fulfill elective requirements: CSCI 111, CSCI 320, PHYS 207, or PHYS 243. (Some of
these elective courses required a prerequisite that does not count towards the math major, but would count towards a major or minor in
that subject).

At least eighteen credits of these 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.