QUEENS COLLEGE

Mathematics 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 2017 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 prerequisite/s and corequisite/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.

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CUNY The City University of New York

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Freshman

FALL

English Composition I (EC1) English 110	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	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	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

OSPRING	
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 Option	3 credits
Spring 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.

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

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Junior

FALL

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

SPRING

MATH 310	3 credits
Real Analysis	
OR MATH 320	
Point Set Topology	
Math Elective	3 credits
(in consultation with Math Dept. advisor)	
Second major, minor, or general electives	9 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**

**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.

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