

**QUEENS COLLEGE**

# Applied Mathematics BA

## Psychology Track

FOUR YEAR ACADEMIC PLAN

12

Required Core Credits

18

Flexible Core Credits

12

College Option Credits

61

Major Credits

17

Elective Credits

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120

Total

This 4-year academic plan is designed to help freshmen entering Queens College in Fall 2020 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.

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## Freshman

### FALL

English Composition I (EC1)	3 credits
MATH 122 (MQR)	4 credits
Pre-calculus	
PSYCH 101 (SW)	4 credits
General Psychology	
Life & Physical Science (LPS)	4 credits

**Fall total credits** **15 credits**

### SPRING

English Composition II (EC2)	3 credits
MATH 151¥ (or equivalent)	4 credits
Calculus I	
Psychology Elective (in consultation with Math Dept. advisor)	3 credits
World Cultures & Global Issues (WCGI)	3 credits
US Experience in Its Diversity (USED)	3 credits

**Spring total credits** **16 credits**

## Sophomore

### FALL

MATH 152¥ (or equivalent)	4 credits
Calculus II	
MATH 231	4 credits
Linear Algebra	
Psychology Elective (in consultation with Math Dept. advisor)	3 credits
Creative Expression (CE)	3 credits

**Fall total credits** **14 credits**

### SPRING

MATH 201	4 credits
Multi-Variable Calculus	
MATH 241	3 credits
Probability & Statistics	
Psychology Elective (in consultation with Math Dept. advisor)	3 credits
CSCI 111 (or MATH 250)	3 credits
Intro to Algorithmic Problem Solving	
Individual and Society (IS)	3 credits

**Spring total credits** **16 credits**

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

¥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.

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## Junior

### FALL

MATH 202 (or 207) Advanced Calculus	4 credits
Math Elective® (in consultation with Math Dept. advisor)	3 credits
An Additional Flexible Core	3 credits
College Option Literature (LIT+W) With Writing Intensive Unit*	3 credits
College Option Science (SCI)	3 credits

**Fall total credits 16 credits**

### SPRING

Math Elective® (in consultation with Math Dept. advisor)	3 credits
Math Elective® (in consultation with Math Dept. advisor)	3 credits
Foreign Language (LANG)	4 credits
An Additional College Core	3 credits
One Writing Intensive Unit (W)	3 credits

**Spring total credits 16 credits**

## Senior

### FALL

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

**Fall total credits 15 credits**

### SPRING

Math Elective® (in consultation with Math Dept. advisor)	3 credits
Second major, minor, or general electives	12 credits

**Spring total credits 15 credits**

® Six elective MATH courses at the 200-, 300-, 600-, or 700-level (not including MATH 271, 272, or 385).

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

At least eighteen credits of the MATH 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.