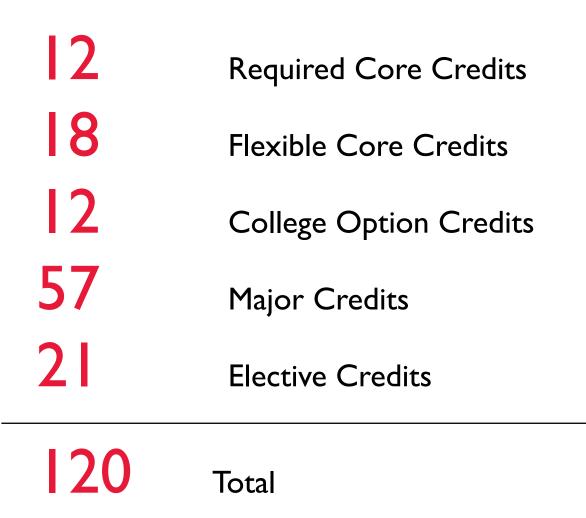
QUEENS COLLEGE Applied Mathematics BA Computer Science Track FOUR YEAR ACADEMIC PLAN



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.





# QUEENS COLLEGE Applied Mathematics BA Computer Science Track

FOUR YEAR ACADEMIC PLAN

## Freshman

#### FALL

English Composition I (ECI)	3 credits	English Composition II (EC2)	3 credits
MATH 122 (MQR)	4 credits	MATH ISI ¥	4 credits
Pre-calculus		Calculus I	
Life & Physical Science (LPS)	4 credits	CSCI III (or MATH 250)	3 credits
World Cultures & Global Issues (WCGI)	3 credits	Introduction to Algorithmic Problem	
		Solving	
Fall total credits	14 credits	US Experience in its diversity (USED)	3 credits
		Creative expression (CE)	3 credits

#### Spring total credits I5 credits

## Sophomore

FALL		SPRING	
MATH 152 ¥	4 credits	MATH 201	4 credits
Calculus II		Multi-Variable Calculus	
MATH 231	4 credits	MATH 241	3 credits
Linear Algebra		Probability & Statistics	
Computer Science Elective	3 credits	Computer Science Elective	3 credits
(in consultation with Math Dept. advisor)	ation with Math Dept. advisor)		
Individual and Society (IS)	3 credits	Scientific World (SW)	3 credits
		An Additional Flexible Core	3 credits
Fall total credits	14 credits		
		Spring total credits	l 6 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.



# QUEENS COLLEGE Applied Mathematics BA Computer Science Track

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## Junior

### FALL

MATH 202 (or 207)	4 credits	Math Elective®	3 credits
Advanced Calculus		(in consultation with Math Dept. advisor)	
Math Elective®	3 credits	Math Elective®	3 credits
(in consultation with Math Dept. advisor)		(in consultation with Math Dept. advisor)	
Computer Science Elective	3 credits	Foreign Language (LANG)	4 credits
(in consultation with Math Dept. advisor)		One Writing Intensive Unit (W)	3 credits
College Option Literature (LIT+W)	3 credits	An Additional College Core	3 credits
With Writing Intensive Unit*			
College Option Science (SCI)	3 credits	Spring total credits	l6 credits
Fall total credits	l6 credits		

### Senior

#### FALL

Math Elective®	3 credits	Math Elective
(in consultation with Math Dept. advise	or)	(in consultatio
Math Elective®	3 credits	Second major,
(in consultation with Math Dept. advise	or)	
An Additional College Core	3 credits	Spring tota
Second major, minor, or general electiv	es 6 credits	

Fall total credits

15 credits

#### SPRING

Spring total credits	15 credits
Second major, minor, or general electives	12 credits
Math Elective® (in consultation with Math Dept. advisor)	3 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.



