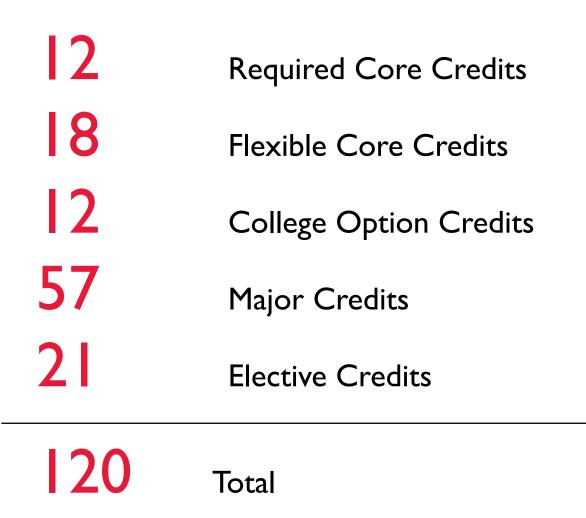
QUEENS COLLEGE Applied Mathematics BA Computer Science Track FOUR YEAR ACADEMIC PLAN



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.



