DEPARTMENT OF MATHEMATICS & STATISTICS
FACULTY OF ARTS AND SCIENCE
QUEEN'S UNIVERSITY
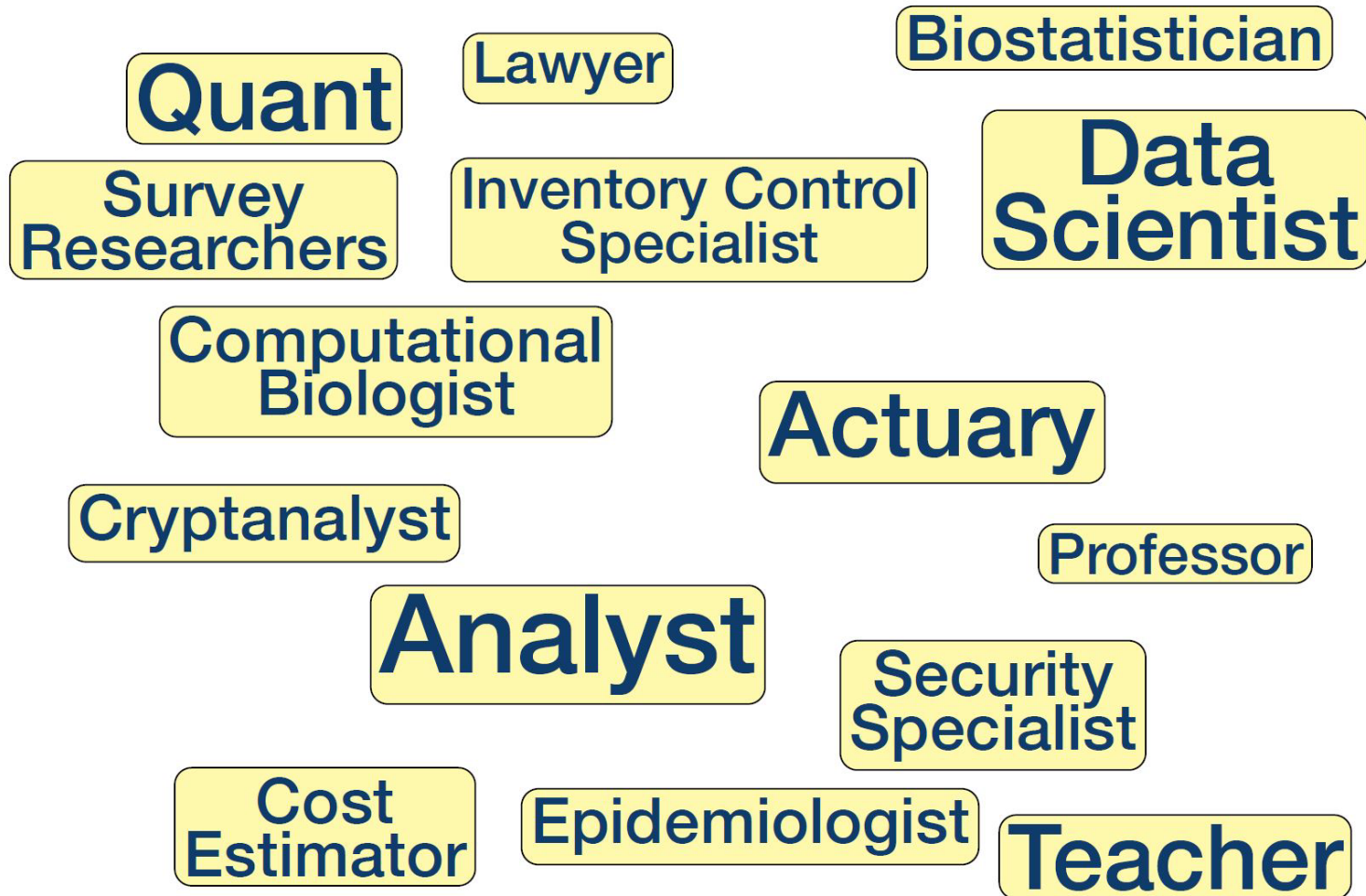## Advice for students entering second year during 2024–25

Complete information about program requirements, courses of study, and academic regulations can be found in the Faculty of Arts and Science Academic Calendar.

For advice about degree programs or courses, please email the Chair of Undergraduate Studies at mastugch@queensu.ca

Jobs

Quant

Lawyer

Biostatistician

Data Scientist

Survey Researchers

Inventory Control Specialist

Computational Biologist

Actuary

Cryptanalyst

Professor

Analyst

Security Specialist

Cost Estimator

Epidemiologist

Teacher

Degree Programs

There are many types of programs in Mathematics & Statistics —
Specializations, Majors, Joint Honours (Medials) and Minors.

Plan	Degree	Program Name	Units
BIMA-P	BSH	Biology and Mathematics — Specialization (Science)	84.0
COMA-P	BCH	Computing, Math and Analytics—Specialization (Science)	84.0
MAPH-P	BSH	Mathematical Physics — Specialization (Science)	105.0
MATH-M	BSH	Mathematics — Major (Science)	60.0
STAT-M	BSH	Statistics —Major (Science)	60.0
MATH????-A	BAH	Mathematics — Joint Honours (Arts)	2x42.0
STAT????-A	BAH	Statistics —Joint Honours (Arts)	2x42.0
MATH-Z	BSH	Mathematics — Minor (Science)	48.0
STAT-Z	BSH	Statistics — Minor (Science)	48.0
MATH-Y	BAH	Mathematics — Minor (Arts)	30.0
STAT-Y	BAH	Statistics— Minor (Arts)	30.0
MATH-G	BSC	Mathematics — General (Science)	48.0
STAT-G	BSC	Statistics— General (Science)	48.0
MATH-G	BA	Mathematics — General (Arts)	30.0
STAT-G	BA	Statistics— General (Arts)	30.0

Numbers of concentrators

Plan	2018	2019	2020	2021	2022	2023
Math Major	77	69	77	55	49	57
Math Joint Honours (Medial)	8	7	11	12	5	5
Math Minor	28	44	39	45	43	58
Stat Major	36	52	57	45	22	20
Stat Joint Honours (Medial)	2	3	0	2	2	3
Stat Minor	3	0	5	20	9	15
BIMA	11	8	22	5	5	8
COMA	22	22	22	20	12	21
MAPH	1	4	6	1	3	4
Total	188	209	239	205	150	191

MATH Major		
	FALL	WINTER
Level 1	MATH 110 Linear Algebra	
	MATH 120 Differential and Integral Calculus	
Level 2	MATH 280 Advanced Calculus	MATH 281 Introduction to Real Analysis
	STAT 268 Statistics and Probability I	STAT 269 Statistics and Probability II
	MATH 225 Ordinary Differential Equations	MATH 210 Rings and Fields

STAT Major		
	FALL	WINTER
Level 1	MATH 110 Linear Algebra	
	MATH 120 Differential and Integral Calculus	
Level 2	MATH 280 Advanced Calculus	MATH 281 Introduction to Real Analysis
	STAT 268 Statistics and Probability I	STAT 269 Statistics and Probability II
	Available options STAT 362 (W) R for Data Science	

MATH Joint Honours		
	FALL	WINTER
Level 1	MATH 112 + 212 or 110 Linear Algebra	
	MATH 121 or 120 Differential and Integral Calculus	
Level 2	MATH 221 or280 Vector Calculus	MATH 225 Ordinary Differential Equations
	STAT 252 or 268 Probability	STAT 263 or 269 Statistics

STAT Joint Honours		
	FALL	WINTER
Level 1	MATH 112 + 212 or 110 Linear Algebra	
	MATH 121 or 120 Differential and Integral Calculus	
Level 2	MATH 221 or 280 Vector Calculus	
	STAT 252 or 268 Probability	STAT 263 or 269 Statistics
	Available option STAT 362 (W) R for Data Science	

MATH Minor		
	FALL	WINTER
Level 1	MATH 112 + 212 or 110 Linear Algebra	
	MATH 121 or 126 or 120 Differential and Integral Calculus	
Level 2	STAT 252 or 268 Probability or Statistics	
	Available options 　　　MATH 221 (F) Vector Calculus 　　　MATH 225 (F&W) Ordinary Differential Equations	

STAT Minor		
	FALL	WINTER
Level 1	MATH 112 + 212 or 110 Linear Algebra	
	MATH 121 or 126 or 120 Differential and Integral Calculus	
Level 2	MATH 221 Vector Calculus	
	STAT 252 or 268 Probability	STAT 263 or 269 Statistics

	Available options
	        STAT 362 (W) R for Data Science
	        MATH 225 (F&W) Ordinary Differential Equations	

UPPER-YEAR COURSES

- Students should keep in mind that some of the 300- and 400-level courses are not offered every year and that many 400-level courses may be taken in third year.

- The Mathematics major offers you the freedom to explore many different areas of study. See the Department website for a listing of all our courses and do not hesitate to ask members of faculty for suggestions and details.