

**DEPARTMENT OF MATHEMATICS & STATISTICS  
FACULTY OF ARTS AND SCIENCE  
QUEEN'S UNIVERSITY**

**Advice for students entering second year during 2023–24**

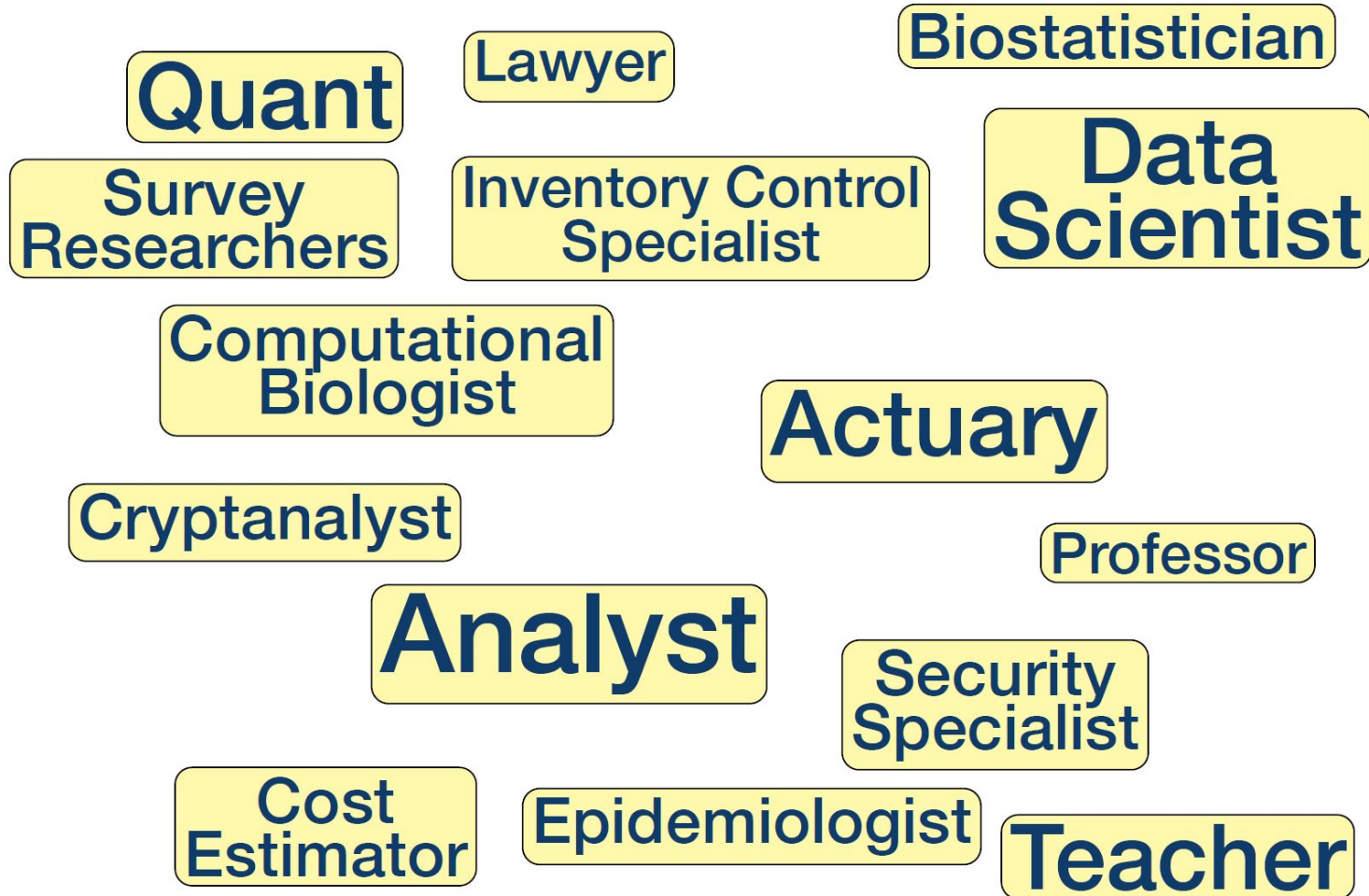


Complete information about program requirements, courses of study, and academic regulations can be found in the Faculty of Arts and Science Academic Calendar.

For advice about degree programs or courses, please email the Chair of Undergraduate Studies at [mastugch@queensu.ca](mailto:mastugch@queensu.ca)



# Jobs



## 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

| <b>Plan</b>                 | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> | <b>2021</b> | <b>2022</b> |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Math Major                  | 83          | 77          | 69          | 77          | 55          | 49          |
| Math Joint Honours (Medial) | 10          | 8           | 7           | 11          | 12          | 5           |
| Math Minor                  | 36          | 28          | 44          | 39          | 45          | 43          |
| Stat Major                  | 29          | 36          | 52          | 57          | 45          | 22          |
| Stat Joint Honours (Medial) | 3           | 2           | 3           | 0           | 2           | 2           |
| Stat Minor                  | 3           | 3           | 0           | 5           | 20          | 9           |
| BIMA                        | 7           | 11          | 8           | 22          | 5           | 5           |
| COMA                        | 21          | 22          | 22          | 22          | 20          | 12          |
| MAPH                        | 4           | 1           | 4           | 6           | 1           | 3           |
| <b>Total</b>                | <b>196</b>  | <b>188</b>  | <b>209</b>  | <b>239</b>  | <b>205</b>  | <b>150</b>  |

| MATH Major |  |   |
|------------|--|---|
|            | FALL   | WINTER                                    |
| Level 1    | MATH 110<br>Linear Algebra                     |   |
|            | MATH 120<br>Differential and Integral Calculus |   |
|            |  |   |
| Level 2    | MATH 280<br>Advanced Calculus                  | MATH 281<br>Introduction to Real Analysis |
|            | STAT 268<br>Statistics and Probability I       | STAT 269<br>Statistics and Probability II |
|            | MATH 231<br>Differential Equations             | MATH 210<br>Rings and Fields              |

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

| MATH Joint Honours |   |   |
|--------------------|---|---|
|                    | FALL  | WINTER                                    |
| Level 1            | MATH 111 or 110<br>Linear Algebra                     |   |
|                    | MATH 121 or 120<br>Differential and Integral Calculus |   |
|                    |   |   |
| Level 2            | MATH 221 or 280<br>Vector Calculus                    | MATH 225 or 231<br>Differential Equations |
|                    | STAT 252 or 268<br>Probability                        | STAT 263 or 269<br>Statistics             |
|                    | Available options<br>MATH 211 (F/W) Algebraic Methods |   |

| STAT Joint Honours |  |                               |
|--------------------|--|-------------------------------|
|                    | FALL   | WINTER                        |
| Level 1            | MATH 111 or 110<br>Linear Algebra  |                               |
|                    | MATH 121 or 120<br>Differential and Integral Calculus                                    |                               |
|                    |  |                               |
| Level 2            | MATH 221 or 280<br>Vector Calculus   |                               |
|                    | STAT 252 or 268<br>Probability   | STAT 263 or 269<br>Statistics |
|                    | Available options<br>MATH 211 (F/W) Algebraic Methods<br>STAT 362 (W) R for Data Science |                               |



| MATH Minor |  |        |
|------------|--|--------|
|            | FALL   | WINTER |
| Level 1    | MATH 111 or 110 or (112+212)<br>Linear Algebra   |        |
|            | MATH 121 or 126 or 120<br>Differential and Integral Calculus   |        |
|            |  |        |
| Level 2    | STAT 252 or 268 Probability or Statistics  |        |
|            | Available options<br>MATH 211 (F/W) Algebraic Methods<br>MATH 221 (F) Vector Calculus<br>MATH 225 (F&W) Differential Equations |        |

| STAT Minor |   |                               |
|------------|---|-------------------------------|
|            | FALL  | WINTER                        |
| Level 1    | MATH 111 or 110 or 112+<br>Linear Algebra   |                               |
|            | MATH 121 or 126 or 120<br>Differential and Integral Calculus  |                               |
|            |   |                               |
| Level 2    | MATH 221<br>Vector Calculus   |                               |
|            | STAT 252 or 268<br>Probability  | STAT 263 or 269<br>Statistics |
|            | Available options<br>MATH 211 (F/W) Algebraic Methods<br>STAT 362 (W) R for Data Science<br>MATH 225 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.

