**BSc Honours in Mathematics - Recommended Course Sequence** (Fall 2020, Fall 2021 Calendar Regulations)

### 1st YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>WINTER</th>
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<tbody>
<tr>
<td>1. <strong>MATH 249</strong> or 265</td>
<td>2. <strong>MATH 267</strong></td>
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<tr>
<td>3. <strong>MATH 211</strong></td>
<td>4. <strong>MATH 271</strong></td>
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</table>

May be taken either semester:

5. **CPSC 217** or **DATA 211**

6. Non-Science Option (Breadth Requirement)

7. Non-Science Option (Breadth Requirement)

8. Option NOT in the Field of Mathematics (Non-Major Field Requirement)

9. Option NOT in the Field of Mathematics (Non-Major Field Requirement)

10. Option NOT in the Field of Mathematics (Non-Major Field Requirement)

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1. **MATH 249** is open only to students without MATH 31

2. Students planning to pursue an Honours degree should replace **MATH 271** with **MATH 273** (offered in the Fall). Note: MATH 273 requires 90% in both MATH 30-1 and MATH 31.

3. **DATA 201** is a prerequisite for **DATA 211** and would need to be taken in the Fall semester

4. A non-science option is any course from faculties other than the Faculty of Science, excluding courses in Table 1

### 2nd YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>WINTER</th>
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| 1. **MATH 311** | 2. Course labelled **STAT**
| 3. Course labelled **STAT** | |

May be taken either semester:

4. Course from the Field of Mathematics at the 300 level or above

5. Course from the Field of Mathematics at the 300 level or above

6. Option from the Faculty of Arts (Breadth Requirement)

7. Option from the Faculty of Arts (Breadth Requirement)

8. Option NOT in the Field of Mathematics (Non-Major Field Requirement)

9. Option NOT in the Field of Mathematics (Non-Major Field Requirement)

10. Option NOT in the Field of Mathematics (Non-Major Field Requirement)

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1. **STAT 321 & 323** are required for many 400 level **STAT** courses and are also required for the Concentrations in Statistics, Computational Applied Mathematics, and Mathematical Finance & Risk Management.

2. Any course offered by the Faculty of Arts, excluding courses in Table 1

### 3rd YEAR

May be taken either semester:

1. Course from the Field of Mathematics at the 300 level or above

2. Course from the Field of Mathematics at the 300 level or above

3. Course from the Field of Mathematics at the 300 level or above

4. Course from the Field of Mathematics at the 300 level or above

5. Course from the Field of Mathematics at the 300 level or above

6. Non-Science Option (Breadth Requirement)

7. Non-Science Option (Breadth Requirement)

8. Option NOT in the Field of Mathematics (Non-Major Field Requirement)

9. Open Option

10. Open Option

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1. An Open Option is any course offered by any Faculty

### 4th YEAR

May be taken either semester:

1. **MATH 518**

2. Course from the Field of Mathematics at the 500 level or above

3. Course from the Field of Mathematics at the 500 level or above

4. Course from the Field of Mathematics at the 400 level or above

5. Course from the Field of Mathematics at the 400 level or above

6. Course from the Field of Mathematics at the 400 level or above

7. Open Option

8. Open Option

9. Open Option

10. Open Option

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1. A grade of "B" or higher in Mathematics 518 is required for the Honours program. Students who do not achieve a grade of "B" or higher in Mathematics 518 may still graduate from the regular BSc in Mathematics.