### 1.0 Degree Title
Specify the two degrees for concurrent degree programs

| Bachelor of Science |  |

### 1.1 Major (Legacy= Subject) (30-char. max.)

| Mathematics and Statistics |  |

### 1.2 Concentration (Legacy = Concentration/Option)
If applicable (30 char. max.)

|  |  |

### 1.3 Minor (with Concentration, if applicable)
(30 char. max.)

|  |  |

### 1.4 Category

- [ ] Faculty Program (FP)
- [ ] Major
- [ ] Joint Major
- [ ] Major Concentration (CON)
- [ ] Minor
- [ ] Minor Concentration (CON)
- [ ] Honours (HON)
- [ ] Joint Honours Component (HC)
- [ ] Internship/Co-op
- [ ] Thesis (T)
- [ ] Non-Thesis (N)
- [ ] Other

### 1.5 Complete Program Title

| Honours in Mathematics |  |

### 2.0 Administering Faculty/Unit

| Science |  |

### Offering Faculty/Department

| Science / Mathematics and Statistics |  |

### 3.0 Effective Term of revision or retirement

Please give reasons in 5.0 “Rationale” in the case of retirement

| (Ex. Sept. 2004 = 200409) | ☐ Retirement |

**Term:** 200609

### 4.0 Existing Credit Weight

| 60 Credits |  |

### Proposed Credit Weight

|  |  |

### 5.0 Rationale for revised program

Math 352 should be added to the list of “remaining” complementaries for the “Honours in Mathematics” program.

### 6.0 Revised Program Description (Maximum 150 words)

|  |  |

---

*AC-05-38 Program/Major or Minor/Concentration Revision Form (07/2004)*
7.0 List of existing program and proposed program

Existing program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)

**HONOURS IN MATHEMATICS** (60 credits)

**Required Courses (45 credits)**
- **MATH 235** (3) Algebra 1
- **MATH 242** (3) Analysis 1
- **MATH 248** (3) Honours Advanced Calculus
- **MATH 251** (3) Honours Algebra 2
- **MATH 255** (3) Honours Analysis 2
- **MATH 325** (3) Honours Ordinary Differential Equations
- **MATH 354** (3) Honours Analysis 3
- **MATH 355** (3) Honours Analysis 4
- **MATH 356** (3) Honours Probability
- **MATH 357** (3) Honours Statistics
- **MATH 366** (3) Honours Ordinary Differential Equations
- **MATH 370** (3) Honours Project (highly recommended)

**Complementary Courses (15 credits)**
- 15 credits selected from:
  - **MATH 350** (3) Graph Theory and Combinatorics
  - **MATH 376** (3) Honours Nonlinear Dynamics and Chaos
  - **MATH 377** (3) Honours Number Theory
  - **MATH 387** (3) Honours Numerical Analysis
  - **MATH 397** (3) Honours Matrix Numerical Analysis
  - **MATH 407** (3) Honours Complex Analysis
  - **MATH 470** (3) Honours Project (highly recommended)
  - **MATH 480** (3) Honours Independent Study
  - **MATH 487** (3) Honours Mathematical Programming
  - **MATH 488** (3) Set Theory
  - All MATH 500-level courses

Honours-level courses from related disciplines:
- **COMP 250** (3) Introduction to Computer Science
- **COMP 252** (3) Algorithms and Data Structures
- **COMP 250** may be preceded by COMP 202

HONOURS IN MATHEMATICS (60 credits)

**Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)**

**Required Courses (45 credits)**
- **MATH 235** (3) Algebra 1
- **MATH 242** (3) Analysis 1
- **MATH 248** (3) Honours Advanced Calculus
- **MATH 251** (3) Honours Algebra 2
- **MATH 255** (3) Honours Analysis 2
- **MATH 325** (3) Honours Ordinary Differential Equations
- **MATH 354** (3) Honours Analysis 3
- **MATH 355** (3) Honours Analysis 4
- **MATH 356** (3) Honours Probability
- **MATH 357** (3) Honours Statistics
- **MATH 366** (3) Honours Ordinary Differential Equations
- **MATH 370** (3) Honours Project (highly recommended)

**Complementary Courses (15 credits)**
- 15 credits selected from:
  - **MATH 350** (3) Graph Theory and Combinatorics
  - **MATH 376** (3) Honours Nonlinear Dynamics and Chaos
  - **MATH 377** (3) Honours Number Theory
  - **MATH 387** (3) Honours Numerical Analysis
  - **MATH 397** (3) Honours Matrix Numerical Analysis
  - **MATH 407** (3) Honours Complex Analysis
  - **MATH 470** (3) Honours Project (highly recommended)
  - **MATH 480** (3) Honours Independent Study
  - **MATH 487** (3) Honours Mathematical Programming
  - **MATH 488** (3) Set Theory
  - All MATH 500-level courses

Honours-level courses from related disciplines:
- **COMP 250** (3) Introduction to Computer Science
- **COMP 252** (3) Algorithms and Data Structures
- **COMP 250** may be preceded by COMP 202

Other courses with the permission of the Department.
9. Approvals

<table>
<thead>
<tr>
<th>Routing Sequence</th>
<th>Name</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>S. W. Drury</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Curric/Acad Committee</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCTP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>APPC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Senate</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Submitted by

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
<th>Submission Date</th>
</tr>
</thead>
</table>

To be completed by ARR:

- Financial Consult: Yes ☐ No ☐
- CIP Code: 

Attach list of consultations