1.0 Degree Title
Specify the two degrees for concurrent degree programs
Bachelor in Science

1.1 Major (Legacy= Subject) (30-char. max.)
HONOURS IN CHEMISTRY

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

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
  Please specify

1.5 Complete Program Title
HONOURS IN CHEMISTRY: MATERIALS OPTION

2.0 Administering Faculty/Unit
Science

2.1 Offering Faculty/Department
Chemistry

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: 200801

4.0 Existing Credit Weight
74 credits

4.1 Proposed Credit Weight
74 credits

5.0 Rationale for revised program
Scheduling problems of complementary courses

6.0 Revised Program Description (Maximum 150 words)
The revised program has similar set of complementary courses as the current version. As CHEE 481 and MRKT 360 are not offered, they were eliminated from the list. The complementary courses are grouped differently to facilitate taking them by students. Additionally, to avoid confusion, Chem 470 research course was single out as the sole option for Chemistry students.
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 WITH MATERIALS OPTION**
(74 credits)

**Required Courses**
(59 credits)
53 credits, all courses specified above for Honours Chemistry
plus the following 6 credits:
CHEM 334  (3) Advanced Materials
CHEM 455  (3) Introductory Polymer Chemistry

**Complementary Courses**
(15 credits)
6 credits of research*:
CHEM 470  (6) Research Project
or CHEM 480  (3) Research Project
and CHEM 490  (3) Research Project

6 credits, two of:
CHEM 531  (3) Chemistry of Inorganic Materials
CHEM 534  (3) Nanoscience and Nanotechnology
CHEM 543  (3) Chemistry of Pulp and Paper
CHEM 571  (3) Polymer Synthesis
CHEM 585  (3) Colloid Chemistry

3 credits, one of:
CHEE 481  (3) Polymer Engineering
MIME 260  (3) Materials Science and Engineering
MRKT 360  (3) Marketing of Technology

* Students may take up to 12 Research Project credits but only 6 of these may be used to fulfill the program requirement.

Attainment of the Honours degree requires a CGPA of at least 3.00.

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

**HONOURS WITH MATERIALS OPTION**
(74 credits)

**Required Courses**
(59 credits)
53 credits, all courses specified above for Honours Chemistry
plus the following 6 credits:
CHEM 334  (3) Advanced Materials
CHEM 455  (3) Introductory Polymer Chemistry

**Complementary Courses**
(15 credits)
6 credits of research*:
CHEM 470  (6) Research Project

9 credits, three of:
CHEM 462  (3) Green Chemistry
CHEM 531  (3) Chemistry of Inorganic Materials
CHEM 533  (3) Small Molecules Crystallography
CHEM 534  (3) Nanoscience and Nanotechnology
CHEM 543  (3) Chemistry of Pulp and Paper
CHEM 571  (3) Polymer Synthesis
CHEM 582  (3) Supramolecular Chemistry
CHEM 585  (3) Colloid Chemistry
MIME 260  (3) Materials Science and Engineering
ANAT 542 / MIME 542  (3) Transmission Electron Microscopy

* Students may take up to 12 Research Project credits but only 6 of these may be used to fulfill the program requirement.

* Currently at SCTP

Attainment of the Honours degree requires a CGPA of at least 3.00.
### 8.0 Consultation with Related Units
- ☐ Yes
- ☐ No
- Financial Consult: ☐ Yes ☐ No

Attach list of consultations

### 9. Approvals

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<td>Department</td>
<td>B. Lennox</td>
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<td>Curric/Acad Committee</td>
<td>D. Ronis</td>
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Submitted by

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To be completed by ARR: