1.0 Degree Title
Specify the two degrees for concurrent degree programs

| Degree Title | Ph.D. |

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

| Major | Chemistry |

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

| Concentration |  |

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

| Minor |  |

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

| Complete Program Title | Ph.D. in Chemistry |

2.0 Administering Faculty/Unit

| Science |

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: | 200709 |

4.0 Existing Credit Weight

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<th>Proposed Credit Weight</th>
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5.0 Rationale for revised program

Inclusion of the seminar courses (650/651) formally acknowledges Department practice that has been in place for >5 years. The number of courses normally assigned for a PhD student is now made uniform across all divisions in the Department. This change now makes the requirements explicit.

6.0 Revised Program Description (Maximum 150 words)
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)

**Ph.D. in Chemistry**

**Required Courses**
(3 credits)

- CHEM 688 (3) Assessment

**Comprehensive**

- CHEM 701 Comprehensive Examination 1
- CHEM 702 Comprehensive Examination 2

* Students in some divisions may only be required to complete CHEM 701.

**Thesis**

Students may be required to take advanced undergraduate courses if background deficient.

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

**Ph.D. in Chemistry**

**Required Courses**
(5 credits)

- CHEM 650 (1) Seminars in Chemistry 1
- CHEM 651 (1) Seminars in Chemistry 2
- CHEM 688 (3) Assessment

**Comprehensive**

- CHEM 701 Comprehensive Examination 1
- CHEM 702 Comprehensive Examination 2

* Students in some divisions may only be required to complete CHEM 701.

**Complementary Courses**

Students entering the program with a M.Sc. degree will normally take three (3) graduate-level courses. Students entering without a M.Sc. degree will normally take five (5) graduate-level courses.

**Thesis**

Students may be required to take advanced undergraduate courses if background deficient.
8.0 Consultation with Related Units
☐ Yes  ☒ No
Financial Consult
☐ Yes  ☒ No
Attach list of consultations

9. Approvals

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<th>Routing Sequence</th>
<th>Name</th>
<th>Signature</th>
<th>Date</th>
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<tbody>
<tr>
<td>Department</td>
<td>Dr. R. Bruce Lennox</td>
<td></td>
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<td>Curric/Acad Committee</td>
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Submitted by

<table>
<thead>
<tr>
<th>Name</th>
<th>Dr. David Ronis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone</td>
<td>5099</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:David.ronis@mcgill.ca">David.ronis@mcgill.ca</a></td>
</tr>
<tr>
<td>Submission Date</td>
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To be completed by ARR:

CIP Code 5099