<table>
<thead>
<tr>
<th>1.0 Degree Title</th>
<th>Specify the two degrees for concurrent degree programs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B.Sc.</td>
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<table>
<thead>
<tr>
<th>1.1 Major (Legacy= Subject) (30-char. max.)</th>
</tr>
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<tbody>
<tr>
<td>Chemistry</td>
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<table>
<thead>
<tr>
<th>1.2 Concentration (Legacy = Concentration/Option)</th>
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<tbody>
<tr>
<td>If applicable (30 char. max.)</td>
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<tr>
<th>1.3 Minor (with Concentration, if applicable)</th>
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<td>(30 char. max.)</td>
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<tr>
<th>1.4 Category</th>
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<tr>
<td>Faculty Program (FP)</td>
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<tr>
<td>Major</td>
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<tr>
<td>Joint Major</td>
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<tr>
<td>Major Concentration (CON)</td>
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<tr>
<td>Minor</td>
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<td>Minor Concentration (CON)</td>
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<tr>
<th>1.5 Complete Program Title</th>
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<tbody>
<tr>
<td>Faculty Program in Chemistry</td>
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<table>
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<tr>
<th>2.0 Administering Faculty/Unit</th>
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<tbody>
<tr>
<td>Science</td>
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<th>Offering Faculty/Department</th>
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<tbody>
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<td>Chemistry</td>
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<tr>
<th>3.0 Effective Term of revision or retirement</th>
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<tbody>
<tr>
<td>Please give reasons in 5.0 “Rationale” in the case of retirement</td>
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<tr>
<td>(Ex. Sept. 2004 = 200409) □ Retirement</td>
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<table>
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<th>Term:</th>
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<td>200709</td>
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<tr>
<th>4.0 Existing Credit Weight</th>
<th>Proposed Credit Weight</th>
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<tr>
<td>52</td>
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<table>
<thead>
<tr>
<th>5.0 Rationale for revised program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes reflect: 1) retirement of CHEM213, CHEM355, CHEM363 and introduction of CHEM223, CHEM243, CHEM253, and CHEM263.</td>
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</table>

<table>
<thead>
<tr>
<th>6.0 Revised Program Description (Maximum 150 words)</th>
</tr>
</thead>
</table>


### 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)**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(31 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 212* (4)</td>
<td>Introductory Organic Chemistry</td>
</tr>
<tr>
<td>CHEM 222* (4)</td>
<td>Introductory Organic Chemistry 2</td>
</tr>
<tr>
<td>CHEM 277D1 (1.5)</td>
<td>Analytical Chemistry</td>
</tr>
<tr>
<td>CHEM 277D2 (1.5)</td>
<td>Analytical Chemistry</td>
</tr>
<tr>
<td>CHEM 302 (3)</td>
<td>Introductory Organic Chemistry 3</td>
</tr>
<tr>
<td>CHEM 345 (3)</td>
<td>Molecular Properties and Structure 1</td>
</tr>
<tr>
<td>CHEM 367 (3)</td>
<td>Instrumental Analysis 1</td>
</tr>
<tr>
<td>CHEM 377 (3)</td>
<td>Instrumental Analysis 2</td>
</tr>
<tr>
<td>MATH 222** (3)</td>
<td>Calculus 3</td>
</tr>
<tr>
<td>MATH 315 (3)</td>
<td>Ordinary Differential Equations</td>
</tr>
</tbody>
</table>

**Faculty Program in Chemistry**

**Required Courses**

(31 credits)

**Complementary Courses**

(21 credits)

| CHEM 204 (3)                  | Physical Chemistry/Biological Sciences 1 |
| CHEM 214 (3)                  | Physical Chemistry/Biological Sciences 2 |
| CHEM 213 (3)                  | Introductory Physical Chemistry |
| and CHEM 355 (3)              | Molecular Properties and Structure 2 |

### Faculty Program in Chemistry

**Required Courses**

(31 credits)

| CHEM 212* (4)                  | Introductory Organic Chemistry |
| CHEM 222* (4)                  | Introductory Organic Chemistry 2 |
| CHEM 277D1 (1.5)               | Analytical Chemistry |
| CHEM 277D2 (1.5)               | Analytical Chemistry |
| CHEM 302 (3)                   | Introductory Organic Chemistry 3 |
| CHEM 345 (3)                   | Molecular Properties and Structure 1 |
| CHEM 367 (3)                   | Instrumental Analysis 1 |
| CHEM 377 (3)                   | Instrumental Analysis 2 |
| MATH 222** (3)                 | Calculus 3 |
| MATH 315 (3)                   | Ordinary Differential Equations |
| PHYS 242 (2)                   | Electricity and Magnetism |

**Faculty Program in Chemistry**

**Required Courses**

(31 credits)

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| CHEM 222* (4)                  | Introductory Organic Chemistry 2 |
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| CHEM 277D2 (1.5)               | Analytical Chemistry |
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**Faculty Program in Chemistry**

**Required Courses**

(31 credits)

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| CHEM 222* (4)                  | Introductory Organic Chemistry 2 |
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| CHEM 377 (3)                   | Instrumental Analysis 2 |
| MATH 222** (3)                 | Calculus 3 |
| MATH 315 (3)                   | Ordinary Differential Equations |
| PHYS 242 (2)                   | Electricity and Magnetism |

**Complementary Courses**

(21 credits)

| CHEM 204 (3)                  | Physical Chemistry/Biological Sciences 1 |
| CHEM 214 (3)                  | Physical Chemistry/Biological Sciences 2 |
| or CHEM 213 (3)               | Introductory Physical Chemistry |
| and CHEM 355 (3)              | Molecular Properties and Structure 2 |

### Faculty Program in Chemistry

**Complementary Courses**

(21 credits)

| CHEM 201 (3)                  | Modern Inorganic Chemistry 1 |
| or CHEM 281 (3)               | Inorganic Chemistry 1 |
| CHEM 301 (3)                  | Modern Inorganic Chemistry 2 |
| or CHEM 381 (3)               | Inorganic Chemistry 2 |
| 9 Credits from:              |                            |
| CHEM 352 (3)                  | Structural Organic Chemistry |
| CHEM 355 (3)                  | Molecular Properties and Structure 2 |
| CHEM 363 (3)                  | Physical Chemistry Laboratory 1 |
| CHEM 382 (3)                  | Organic Chemistry : Natural Products |
| CHEM 392 (3)                  | Integrated Inorganic/Organic Laboratory |
| or CHEM 393 (2)               | Physical Chemistry Laboratory 2 |
| or any 400-level coruses in Chemistry for which the prerequisites are satisfied. |
### 8.0 Consultation with Related Units
- Financial Consult: [ ] Yes [ ] No
- Consultation with Related Units: [ ] Yes [ ] No
- Attach list of consultations

### 9. Approvals

<table>
<thead>
<tr>
<th>Routing Sequence</th>
<th>Name</th>
<th>Signature</th>
<th>Date</th>
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<tbody>
<tr>
<td>Department</td>
<td></td>
<td></td>
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<tr>
<td>Curric/Acad Committee</td>
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<tr>
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<td>Senate</td>
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Submitted by
- Name: David Ronis
- Phone: 6940
- Email: ronis@onsger.chem.mcgill.ca
- Submission Date: 

To be completed by ARR:
- CIP Code: 