



New Program/Major or Minor/Concentration Proposal Form

(2013)

<p>1.0 Degree Title Please specify the two degrees for concurrent degree programs</p> <input type="text" value="Master of Science (M.Sc.)"/>	<p>2.0 Administering Faculty/Unit</p> <input type="text" value="Graduate and Postdoctoral Studies"/>
<p>1.1 Major (Legacy= Subject)(30-char. max.)</p> <input type="text" value="Materials Engineering"/>	<p>Offering Faculty/Department</p> <input type="text" value="Faculty of Engineering / Mining and Materials"/>
<p>1.2 Concentration (Legacy = Concentration/Option) If applicable to Majors only (30 char. max.)</p> <input type="text"/>	<p>3.0 Effective Term of Implementation (Ex. Sept. 2004 = 200409) Term</p> <input type="text" value="201801"/>
<p>1.3 Minor (with Concentration, if Applicable) (30 char. max.)</p> <input type="text"/>	

4.0 Rationale and Admission Requirements for New Proposal

The M.Sc. Mining and Materials Engineering (Thesis) is being separated into two distinct programs, the M.Sc. Mining Engineering (Thesis) (program revision for the current Mining and Materials Engineering program submitted concurrently) and the M.Sc. Materials Engineering (Thesis) for easier administration and to have degree names that are more representative of the disciplines. This program split is part of the recent strategic plan of the Department. The admission requirements are not being changed. A new course proposal for MIME 610 will be submitted concurrently with this program proposal (PRN 11520).

5.0 Program Information
Please check appropriate box(es)

<p>5.1 Program Type</p> <p>Bachelor's Program</p> <p>Master's</p> <p>M.Sc. (Applied) Program</p> <p>Dual Degree/Concurrent Program</p> <p>Certificate</p> <p>Diploma</p> <p>Graduate Certificate</p> <p>Graduate Diploma</p> <p>Ph.D. Program</p> <p>Doctorate Program (Other than Ph.D.)</p> <p>Private Program</p> <p>Off-Campus Program</p> <p>Distance Education Program (By Correspondence)</p> <p>Other (Please specify)</p>	<p>5.2 Category</p> <p>Faculty Program (FP)</p> <p>Major</p> <p>Joint Major</p> <p>Major Concentration (CON)</p> <p>Minor</p> <p>Minor Concentration (CON)</p> <p>Honours (HON)</p> <p>Joint Honours Component (HC)</p> <p>Internship/Co-op</p> <p>Thesis (T)</p> <p>Non-Thesis (N)</p> <p>Other</p> <p>Please specify</p> <input type="text"/>	<p>5.3 Level</p> <p>Undergraduate</p> <p>Dentistry/Law/Medicine</p> <p>Continuing Studies (Non-Credit)</p> <p>Collegial</p> <p>Masters & Grad Dips & Certs</p> <p>Doctorate</p> <p>Post-Graduate Medicine/Dentistry</p> <p>Graduate Qualifying</p> <p>Postdoctoral Fellows</p> <p>5.4 FQRSC (Research) Indicator (for GPS) Yes No</p>
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<p>6.0 Total Credits</p> <input type="text" value="45 credits"/>	<p>7.0 Consultation with Related Units</p> <table> <tr> <td>Yes</td> <td>No X</td> </tr> </table> <p>Financial Consult</p> <table> <tr> <td>Yes</td> <td>No X</td> </tr> </table> <p>Attach list of consultations.</p>	Yes	No X	Yes	No X
Yes	No X				
Yes	No X				

8.0 Program Description (Maximum 150 words)

The M.Sc. (Thesis) degree is open to graduates holding the B.Sc. degree in Chemistry, Materials Science, Physics, Geology or other related engineering fields.

9.0 List of proposed program for the New Program/Major or Minor/Concentration.

If new concentration (option) of existing Major/Minor (program), please attach a program layout (list of all courses) of existing Major/Minor.

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

M.Sc.; Materials Engineering (Thesis) (45 credits)**Thesis Courses (27 credits)**

MIME 690 Thesis Research 1 (6)
 MIME 691 Thesis Research 2 (3)
 MIME 692 Thesis Research 3 (6)
 MIME 693 Thesis Research 4 (3)
 MIME 694 Thesis Research 5 (6)
 MIME 695 Thesis Research 6 (3)

Required Courses (3 credits)

MIME 601 Engineering Laboratory Practice (0)
MIME 610 Master's Foundation Course (3)

Required Seminar (6 credits)

MIME 670 Research Seminar 1 (6)

Complementary Courses (9 credits)

9 credits at the 500-level or higher selected from within and/or outside the department in consultation with the student's supervisor and/or Advisory Committee.

Layout of existing – Master of Science (M.Sc.) Mining and Materials Engineering (Thesis) (45 credits)**Program Requirements****Thesis Courses (27 credits)**

- [MIME 690 Thesis Research 1 \(6 credits\)](#)
- [MIME 691 Thesis Research 2 \(3 credits\)](#)
- [MIME 692 Thesis Research 3 \(6 credits\)](#)
- [MIME 693 Thesis Research 4 \(3 credits\)](#)
- [MIME 694 Thesis Research 5 \(6 credits\)](#)
- [MIME 695 Thesis Research 6 \(3 credits\)](#)

Required Seminar (6 credits)

- [MIME 601 Engineering Laboratory Practice](#)

6 credits from the following courses:

* Note: Students must register for [MIME 672D1](#) and [MIME 672D2](#) in consecutive terms.

- [MIME 670 Research Seminar 1 \(6 credits\)](#)
- [MIME 672D1 Rock Mechanics Seminar \(3 credits\) *](#)
- [MIME 672D2 Rock Mechanics Seminar \(3 credits\) *](#)
- [MIME 673 Mining Engineering Seminar \(6 credits\)](#)

Complementary Courses (12 credits)

12 credits at the 500 level or higher from within and/or outside the department in consultation with the student's supervisor and/or Advisory Committee.

10.0 Approvals

Routing Sequence	Name	Signature	Date
Department	Prof. George Demopoulos		March 24, 17
Curric/Acad Committee	Prof. Laurent Mvdlarski		Mar. 27, 2017
Faculty 1	Prof. Laurent Mvdlarski		Mar. 27, 2017
Faculty 2			
Faculty 3			
CGPS			
SCTP			
APC			
Senate			

Submitted by

Name: Prof. Richard Chromik

Phone: 514-398-5686

Email: Richard.chromik@mccill.ca

Submission Date: March 1, 2017

To be completed by ARR:

CIP Code