The **Master of Science in Applied Geology** is a one-year program falling under the heading of Category II and leading to enhanced knowledge in Mineral Exploration/Resource Geology (Stream A) or Geological Engineering (Stream B). The program normally commences in September and can be completed by the end of April or August of the following year depending on the project.

**APPLICATION PROCESS:**
Potential supervisors must be contacted prior to admission into the program. Applicants can find the list of available supervisors on the departmental web site. The Department limits the number of students into the program, subject to the availability of supervisors. In addition to the normal academic qualifications required for entry to a Master’s program, the Applied Geology program requires that candidates should have previous geological/geoengineering experience in industry or with government agencies.

**FUNDING:**
There is no departmental or university funding available for Pattern II students. Candidates are expected to obtain external funding prior to admission in the program.

**METHOD OF COMPLETION:**
The **Master of Science in Applied Geology** degree can be completed in one of the following ways;

i) A project plus 6 term length course credits  
 OR  
 ii) 8 term length course credits

These options are outlined in the following table:

<table>
<thead>
<tr>
<th>DEGREE</th>
<th>PATTERN</th>
<th>COUNCIL</th>
<th>MANDATORY COURSE REQUIREMENTS</th>
<th>METHOD OF COMPLETION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science in Applied Geology</td>
<td>II (project/course-work)</td>
<td>Science Council</td>
<td>GEOL 800, GEOL 898 (project) plus 6 term length course credits (min)</td>
<td>GEOL 800 plus 8 term length course credits (min)</td>
</tr>
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<td></td>
<td></td>
<td>Science Council</td>
<td>GEOL 800</td>
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</tbody>
</table>

Under the **project/course-work pattern II program**, there are two options. Option I: a student is required to complete six primary term length course credits. The project course is in addition to these six courses, and is taken under the code GEOL 898. At least four primary courses must be taken in the Department of Geological Sciences & Geological Engineering. Up to 25% (1 course) of the primary courses can be 4th year and/or graduate courses which are co-taught and co-numbered with 4th year courses. The project culminates in a written report.
The requirements for option two are eight term length course credits, one of which must be GEOL 800, and at least four courses must be taken in the Department of Geological Sciences & Geological Engineering. Selection of courses in both the Pattern I and II programs is subject to Supervisor and Graduate Coordinator approval.

Students must obtain a satisfactory standing in all courses (minimum 70%) in both the Pattern I and II programs.

For more information, please contact our Graduate Program Assistant: geolgrad@queensu.ca