### 1.0 Degree Title
Specify the two degrees for concurrent degree programs

- B.Sc.

### 1.1 Major (Legacy = Subject) (30-char. max.)
Earth and Planetary Sciences

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

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

### 1.4 Category

- [ ] Faculty Program (FP)
- [ ] Honours (HON)
- [ ] Major
- [ ] Joint Honours Component (HC)
- [ ] Minor Concentration (CON)
- [ ] Minor
- [ ] Minor Concentration (CON)
- [ ] Internship/Co-op
- [ ] Thesis (T)
- [ ] Non-Thesis (N)
- [ ] Other
  
  Please specify

### 1.5 Complete Program Title
Major in Earth and Planetary Sciences

### 2.0 Administering Faculty/Unit

| Science |

### 3.0 Effective Term of revision or retirement
Please give reasons in 5.0 “Rationale” in the case of retirement

<table>
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<th>(Ex. Sept. 2004 = 200409)</th>
<th>Retirement</th>
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### 4.0 Existing Credit Weight

| 66 credits |

### 4.0 Proposed Credit Weight

| 66 credits |

### 5.0 Rationale for revised program

The program is being modified because of the change of the credit weight of course EPSC 212, Introductory Petrology, from 4 to 3 and of course EPSC 231, Field School 1, from 2 to 3. The rationale for these credit weight changes is detailed in the course change forms.

### 6.0 Revised Program Description (Maximum 150 words)

The program is being modified because of the change of the credit weight of course EPSC 212, Introductory Petrology, from 4 to 3 and of course EPSC 231, Field School 1, from 2 to 3. The rationale for these credit weight changes is detailed in the course change forms.
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)

U1 Required Courses (27 credits)
- EPSC 203 (3) Structural Geology 1
- EPSC 210 (3) Introductory Mineralogy
- EPSC 212 (4) Introductory Petrology
- EPSC 220 (3) Principles of Geochemistry
- EPSC 231 (2) Field School 1
- EPSC 233 (3) Earth & Life History
- EPSC 312 (3) Spectroscopy of Minerals
- MATH 222 (3) Calculus 3
  approved (3) statistics course

Note: Students who have not had the following course or its equivalent in CEGEP or the Freshman Program may be required to take MATH 133 Vector, Matrices and Geometry.

U2 and/or U3 Required Courses (24 credits)
- EPSC 320 (3) Elementary Earth Physics
- EPSC 334 (3) Invertebrate Paleontology
- EPSC 350 (3) Tectonics
- EPSC 423 (3) Igneous Petrology
- EPSC 445 (3) Metamorphic Petrology
- EPSC 452 (3) Mineral Deposits 2
- EPSC 455 (3) Sedimentary Geology
- EPSC 519 (3) Isotope Geology

Complementary Courses (15 credits)
- 3 credits, one of:
  - EPSC 331 (3) Field School 2
  - EPSC 341 (3) Field School 3

Plus 12 credits (4 courses) chosen from the following:
- EPSC 330 (3) Earthquakes and Earth Structures
- EPSC 425 (3) Geophysical Applications
- EPSC 451 (3) Hydrothermal Mineral Deposits
- EPSC 501 (3) Crystal Chemistry
- EPSC 530 (3) Volcanology
- EPSC 542 (3) Chemical Oceanography
- EPSC 547 (3) High Temperature Geochemistry
- EPSC 548 (3) Processes of Igneous Petrology
- EPSC 549 (3) Hydrogeology
- EPSC 550 (3) Selected Topics 1
- EPSC 551 (3) Selected Topics 2
- EPSC 552 (3) Selected Topics 3
- EPSC 561 (3) Ore-forming Processes 1
- EPSC 562 (3) Ore-forming Processes 2
- EPSC 570 (3) Cosmochemistry
- EPSC 580 (3) Aqueous Geochemistry
- EPSC 590 (3) Applied Geochemistry Seminar

Note: Courses at the 300 or higher level in other departments in the Faculties of Science and Engineering may also be used as complementary credits, with the permission of the Director of Undergraduate Studies.

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

U1 Required Courses (27 credits)
- EPSC 203 (3) Structural Geology 1
- EPSC 210 (3) Introductory Mineralogy
- EPSC 212 (3) Introductory Petrology
- EPSC 220 (3) Principles of Geochemistry
- EPSC 231 (3) Field School 1
- EPSC 233 (3) Earth & Life History
- EPSC 312 (3) Spectroscopy of Minerals
- MATH 222 (3) Calculus 3
  approved (3) statistics course

Note: Students who have not had the following course or its equivalent in CEGEP or the Freshman Program may be required to take MATH 133 Vector, Matrices and Geometry.

U2 and/or U3 Required Courses (24 credits)
- EPSC 320 (3) Elementary Earth Physics
- EPSC 334 (3) Invertebrate Paleontology
- EPSC 350 (3) Tectonics
- EPSC 423 (3) Igneous Petrology
- EPSC 445 (3) Metamorphic Petrology
- EPSC 452 (3) Mineral Deposits 2
- EPSC 455 (3) Sedimentary Geology
- EPSC 519 (3) Isotope Geology

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- EPSC 590 (3) Applied Geochemistry Seminar

Note: Courses at the 300 or higher level in other departments in the Faculties of Science and Engineering may also be used as complementary credits, with the permission of the Director of Undergraduate Studies.
### 8.0 Consultation with Related Units

- [ ] Yes
- [ ] No

Attach list of consultations

### 9. Approvals

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<tr>
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Submitted by

- **Name**: Don Baker
- **Phone**: 7485
- **Email**: donb@eps.mcgill.ca
- **Submission Date**: 

To be completed by ARR:

- **CIP Code**: 

Program/Major or Minor/Concentration Revision Form P2-3