

AC-04-130 Program/Major or Minor/Concentration Revision Form

	007/200		
1.0 Degree Title Specify the two degrees for concurrent degree programs	2.0 Administering Faculty/Unit		
B Sc	Science		
	Offering Faculty/Department		
1.1 Major (Legacy= Subject) (30-char. max.)	Science/Earth and Planetary Sciences		
Earth Sciences			
1.2 Concentration (Legacy = Concentration/Option) If applicable (30 char. max.)	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: Sept 2005		
1.3 Minor (with Concentration, if applicable)			
(30 char. max.)	4.0 Existing Credit Weight Proposed Credit Weight		
	75 credits 75 credits		
1.4 Category	5.0 Potionala for raviand program		
 □ Faculty Program (FP) □ Major □ Joint Major □ Joint Major □ Major Concentration (CON) □ Internship/Co-op □ Minor □ Minor Concentration (CON) □ Non-Thesis (N) □ Other Please specify 	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.		
1.5 Complete Program Title			
Honours in Earth Sciences			
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)

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)	Farth & Life History		
EDSC 212	(3)	Spectroscopy of Minerals		
MATH 222	(3)	Coloulus 2		
MATH 222	(3)			
approved	(3)	statistics course		
Note: Stud	ents who hav	e not had the following course or its equivalent in CEGEP		
or the Fresh	nman Program	n may be required to take MATH 133 Vector, Matrices		
and Geome	trv.			
U2 and/or U	U3 Required	Courses (33 credits)		
EPSC 320	(3)	Elementary Earth Physics		
EPSC 350	(3)	Tectonics		
EPSC 423	(3)	Igneous Petrology		
EPSC 445	(3)	Metamorphic Petrology		
EPSC 452	(3)	Mineral Denosits 2		
EPSC 455	(3)	Sadimontory Goology		
EFSC 433	(3)	Jeneura Desearch Project		
EPSC 4801	(3)	Honours Research Project		
EPSC 4801)2 (3)	Honours Research Project		
EPSC 519	(3)	Isotope Geology		
MATH 314	(3)	Advanced Calculus		
MATH 315	5 (3)	Ordinary Differential Equations		
Compleme	ntary Courses	(15 credits)		
3 credits or	ne of	(15 creans)		
EDSC 221	(2)	Field School 2		
EPSC 341	(3)	Field School 3		
	(-)			
Plus 12 cre	dits (4 course	s) chosen from the following:		
EPSC 330	(3)	Earthquakes and Earth Structures		
EPSC 334	(3)	Invertebrate Paleontology		
EPSC 425	(3)	Sediments to Sequences		
EPSC 435	(3)	Geophyusical Applications		
EPSC 451	(3)	Hydrothermal Mineral Deposits		
EPSC 501	(3)	Crystal Chemistry		
EPSC 530	(3)	Volcanology		
EPSC 542	(3)	Chemical Oceanography		
EPSC 542	(3)	High Temperature Geochemistry		
EFSC 547	(3)	Digit Temperature Geochemistry		
EPSC 546	(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 Drecto	r of Undergraduate Studies.		
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Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)

UI Require	d Courses (2)	/ 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			
approved	(5)	statistics course			
Note: Students who have not had the following course or its equivalent in					
CEGEP or t	he Freshman	Program may be required to take MATH 133 Vector			
Matrices an	d Geometry				
mainees an	a Geometry.				
U2 and/or I	3 Required (Courses (33 credits)			
EPSC 320	(3)	Elementary Earth Physics			
EPSC 350	(3)	Tectonics			
EPSC 423	(3)	Igneous Petrology			
EPSC 445	(3)	Metamorphic Petrology			
EPSC 452	(3)	Mineral Deposite 2			
EI SC 452	(3)	Sadimentary Goology			
EFSC 433	(3)	Jonoura Desearch Dreiset			
EPSC 460D	(3)	Honours Research Project			
EFSC 460D	(2)	Lastana Cashaan			
EPSC 519	(3)	A decement Calculate			
MATH 314	(3)	Advanced Calculus			
MATH 315	(3)	Ordinary Differential Equations			
C 1					
Complementary Courses (15 credits)					
Complemen	tary Courses	(15 credits)			
3 credits, or	tary Courses	(15 credits)			
3 credits, or EPSC 331	itary Courses ie of: (3)	Field School 2			
3 credits, or EPSC 331 EPSC 341	itary Courses ie of: (3) (3)	(15 credits) Field School 2 Field School 3			
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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 Drector of Undergraduate Studies.

Attach extra page(s) as needed

8.0 Consultation with Related Units	□Yes □No	Financial Consult	□Yes □No				
Attach list of consultations							
9. Approvals							
Routing Sequence	Name	Signature	Date				
Department	Alfonso Mucci						
Curric/Acad Committee							
Faculty 1							
Faculty 2							
Faculty 3							
SCTP							
GS							
APPC							
Senate							
Submitted by							
Name	Don Baker	To be completed by ARR:					
Phone	7485	CIP Code					
Email	donb@eps.mcgill.ca						
Submission Date							