



Geoscience Course Equivalent List New Syllabus

Updated January 2011 - 67293

**ASSOCIATION OF PROFESSIONAL ENGINEERS & GEOSCIENTISTS OF B.C.
GEOSCIENCE 'NEW' SYLLABUS - COURSE EQUIVALENTS**

NOTE: As this Equivalent Course List includes only some of those courses found to presently cover the material required, APEGBC Course Descriptions should be used as a more complete guide in allotting course equivalents. Courses not listed here will be evaluated to determine whether they meet the syllabus requirements. A course can only be used once as a course equivalent. If more than one course is listed and separated by a comma it means “OR” (n.e.c. = no course equivalent). Courses must be acceptable for credit in the faculty of science or applied science. The Course Equivalent List and Syllabi may change without notice.

COMMON TO ALL GEOSCIENTISTS – 06-GEOCOM- FUNDAMENTAL SCIENCE (3 OF 4 REQUIRED)								
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC- O	MALASPINA	UFV
FS-A1	CALCULUS (2 SEMESTERS)	MATH 151 & 152 OR 154 & 155	MATH 100 & 101, 103 OR 120 & 121	MATH 100 & 101	MATH 100 & 101	MATH 112 & 122	MATH 121 & MATH 122	MATH 111 & 112
FS-A2	PHYSICS (2 SEMESTERS)	PHYS 101 & 102 & 130 OR PHYS 120 & 121 & 131	PHYS 101 & 102	PHYS 110 & 111	PHYS 102,112	PHYS 112 & 122 OR PHYS 111 & 121	PHYS 111 & 112 OR PHYS 121 & 122 OR PHYS 122 & 216	PHYS 111 & 112
FS-A3	CHEMISTRY (2 SEMESTERS)	CHEM 121 & 122 OR CHEM 122 & 126	CHEM 111 & 113	CHEM 100 & 101 & 120 & 121 Labs	CHEM 101&102	CHEM 112 & 122 OR CHEM 111 & 121	CHEM 111 & 112 OR CHEM 121 & 122	CHEM 113 & 114
FS-A4	BIOLOGY (2 SEMESTERS)	BISC 101&102	BIOL 121&140	BIOL 101&102	BIOL 150A & 150B OR BIOL 190A & 190B	BIOL 116 & 125	BIOL 121 & 122	BIO 111 & 112

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COMMON TO ALL GEOSCIENTISTS – 06-GEOCOM- COMPULSORY (3 OF 3 REQUIRED)								
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC- O	MALASPINA	UFV
COM-A1	INTRODUCTION TO MINERALOGY / PETROLOGY	EASC 202 & 205	EOSC 220 & 221	n.e.c.	EOS 205	EESC 200 & 201	GEOL 200	n.e.c.
COM-A2	INTRODUCTION TO SEDIMENTATION & STRATIGRAPHY	EASC 201	EOSC 320	n.e.c.	EOS 201	EESC 356	GEOL 201	n.e.c.
COM-A3	INTRODUCTION TO STRUCTURE & TECTONICS	EASC 204	EOSC 323	GEOG 498	EOS 202	EESC 325	GEOL 202	n.e.c.

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COMMON TO ALL GEOSCIENTISTS - 06-GEOCOM- ELECTIVES (3 OF 8 REQUIRED)								
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	MALASPINA	UFV
COM-B1	INTERMEDIATE MATHEMATICS	Any 200 Level MATH or Higher	Any 200 Level MATH or Higher	Any 200 Level MATH or Higher	Any 200 Level MATH or Higher	Any 200 Level MATH or Higher	Any 200 Level MATH or Higher*	Any 200 Level MATH or Higher*
COM-B2	INTERMEDIATE CHEMISTRY	Any 200 Level CHEM or Higher	Any 200 Level CHEM or Higher	Any 200 Level CHEM or Higher	Any 200 Level CHEM or Higher	Any 200 Level CHEM or Higher	Any 200 Level CHEM or Higher*	Any 200 Level CHEM or Higher*
COM-B3	INTERMEDIATE PHYSICS	Any 200 Level PHYS or Higher	Any 200 Level PHYS or Higher	Any 200 Level PHYS or Higher	Any 200 Level PHYS or Higher	Any 200 Level PHYS or Higher	Any 200 Level PHYS or Higher*	Any 200 Level PHYS or Higher*
COM-B4	INTRODUCTION OR INTERMEDIATE BIOLOGY	Any 100 Level BISC or Higher	Any 100 Level BIOL or Higher	Any 100 Level BIOL or Higher	Any 100 Level BIOL or Higher	Any 100 Level BIOL or Higher	Any 100 Level BIOL or Higher*	Any 200 Level BIOL or Higher*
COM-B5	INTRODUCTION TO COMPUTING	Any 100 Level CMPT or Higher	ANY 100 Level CPSC or Higher	ANY 100 Level CPSC or Higher	ANY 100 Level CPSC or Higher	Any 100 Level COSC or Higher	Any 100 Level COSC or Higher	Any 100 Level COMP or Higher
COM-B6	ECONOMICS	Any 100 Level ECON or Higher OR GEOG 221	Any 100 Level ECON or Higher	Any 100 Level ECON or Higher	Any 100 Level ECON or Higher	Any 100 Level ECON or Higher	Any 200 Level ECON or Higher	Any 100 Level ECON or Higher
COM-B7	PROBABILITY AND STATISTICS	STAT 101, 201, 270	STAT 200, 241, 251	MATH 340, 341, 342	STAT 260, GEOG 226	STAT 121,230, BIOL 304	MATH 211 OR MATH 212 OR MATH 172, 161, 181	MATH 270, 302, 315, 370
COM-B8	TECHNICAL WRITING	ENSC 101	ENGL 301	ENGL 170, NRES 100	ENGL 225, ENGL 301	ENGL 301	ENGL 225	CMNS 325

* Must be accompanied by the qualifier: “acceptable for credit in the Faculty of Science or Applied Science”

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SPECIFIC TO ENVIRONMENTAL GEOSCIENCE - 06-EG - COMPULSORY (6 OF 7 REQUIRED)								
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	MALASPINA	UFV
EG -A1	INTRODUCTION TO GEOMORPHOLOGY	GEOG 213	EOSC 330 OR GEOG 206	GEOG 210	GEOG 276	GEOG 222 OR EESc 222	GEOG 376	GEOG 202
EG -A2	INTRODUCTION TO GEOCHEMISTRY	EASC 208	EOSC 327, 333	n.e.c.	EOS 240	EESc 323	GEOL 308	n.e.c.
EG -A3	INTRODUCTION TO HYDROLOGY	GEOG 311	GEOG 305, CIVL 418, EOSC 329	GEOG 310	GEOG 370	GEOG 205 OR EESc 205	GEOG 374	GEOG 303
EG -A4	QUATERNARY GEOLOGY	EASC 403, GEOG 412	GEOG 308	GEOG 411	EOS 450	EESC 431	n.e.c.	GEOG 402
EG -A5	INTRODUCTION TO SOIL SCIENCE	GEOG 317	SOIL 200	FSTY 205	GEOG 379	EESc 456	FRST 151 & FRST 152	GEOG 315
EG -A6	INTRODUCTION TO APPLIED GEOPHYSICS	EASC 207	EOSC 252, 350, 351	n.e.c.	EOS 480	EESc 350	n.e.c.	n.e.c.
EG -A7	HYDROGEOLOGY	EASC 304	EOSC 329	ENSC 451	EOS 440	EESc 342	GEOL 304	n.e.c.
SPECIFIC TO ENVIRONMENTAL GEOSCIENCE – 06 EG – COMPULSORY (1 OF 1 REQUIRED)								
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O(OUc)	MALASPINA	UFV
EG -B1	FIELD WORK	GEOG 310 EASC 206 & 306 OR EASC 406	GEOG 309	GEOG 333	GEOG 325, 477, EOS 300	EESc 335 with one of: EESc 435, EESc 437, GEOG 416	GEOL 206	n.e.c.

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SPECIFIC TO ENVIRONMENTAL GEOSCIENCE - 06-EG - ELECTIVES (9 OF 25 REQUIRED)								
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	MALASPINA	UFV
EG -C1	ADVANCED GEOMORPHOLOGY I	GEOG 313	GEOG 308	GEOG 311	GEOG 376	EESc 435		GEOG 302
EG -C2	ADVANCED GEOMORPHOLOGY II	GEOG 412, 413	GEOG 405, 406, 408	n.e.c.	GEOG 424, 476, 478	n.e.c.		n.e.c.
EG -C3	APPLIED GEOMORPHOLOGY	EASC 303	GEOG 406	GEOG 498	GEOG 377	EESc 437	n.e.c.	n.e.c.
EG -C4	ANALYTICAL GEOCHEMISTRY	n.e.c.	EOSC 325	n.e.c.	n.e.c.	EESc 333		n.e.c.
EG -C5	ANALYTICAL HYDROLOGY	GEOG 411	EOSC 428	n.e.c.	n.e.c.	EESc 413		n.e.c.
EG -C6	GROUNDWATER CONTAMINATION	EASC 410	EOSC 429	ENSC 308	n.e.c.	n.e.c.		n.e.c.
EG -C7	FLUID MECHANICS	EASC 409	PHYS 314, CIVL 215, MECH 280	ENSC 350	PHYS 426, MECH 345	PHYS 314		PHYS 325
EG -C8	SOIL MECHANICS	EASC 313	CIVL 210	n.e.c.	n.e.c.	n.e.c.		n.e.c.
EG -C9	ROCK MECHANICS	EASC 313	MINE 303	n.e.c.	n.e.c.	n.e.c.		n.e.c.
EG -C10	ENGINEERING GEOLOGY	EASC 413	EOSC 433, 434	n.e.c.	n.e.c.	n.e.c.		n.e.c.

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SPECIFIC TO ENVIRONMENTAL GEOSCIENCE - 06-EG - ELECTIVES (9 OF 25 REQUIRED) – cont.								
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	MALASPINA	UFV
EG -C11	PALEONTOLOGY INTERPRETATION METHODS	GEOG 415, BISC 434	EOSC 425	n.e.c.	n.e.c.	EESc 341		n.e.c.
EG -C12	SEDIMENTOLOGY	EASC 402	EOSC 421	n.e.c.	n.e.c.	n.e.c.		n.e.c.
EG -C13	ADVANCED MINERALOGY	n.e.c.	EOSC 325, 520	n.e.c.	n.e.c.	EESc 401		n.e.c.
EG -C14	ADVANCED GEOPHYSICS	EASC 307, 317, 417	300 plus LEVEL	n.e.c.	EOS 427, PHYS 427	n.e.c.		n.e.c.
EG -C15	GEOPHYSICAL HAZARD EVALUATION	GEOG 312	GEOG 404	n.e.c.	n.e.c.	GEOG 416		n.e.c.
EG –C16	INTRODUCTION TO ECOSYSTEMS	GEOG 215, BISC 204	GEOG 207	BIOL 201	BIOL 215	BIOL 203	GEOG 373	BIOL 210
EG -C17	WEATHER AND CLIMATE	GEOG 214	GEOG 300	ENSC 201, 408	GEOG 372,373, EOS 340	GEOG 200	GEOG 372	GEOG 201
EG -C18	GEOSCIENCE COMPUTER APPLICATIONS	GEOG 352, 451	EOSC 211	n.e.c.	CSC 242	n.e.c.		n.e.c.
EG -C19	GEOGRAPHIC SPATIAL ANALYSIS	GEOG 255	GEOG 270	GEOG 300	GEOG 228, 308, 326, 328	GEOG 370	GEOG 328 OR GEOG 428	GOEG 253

* Candidates who have taken all the courses in 01-EG – COMPULSORY (6 OF 7 REQUIRED) can use the extra course here

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SPECIFIC TO ENVIRONMENTAL GEOSCIENCE - 06-EG - ELECTIVES (9 OF 25 REQUIRED) – cont.								
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	MALASPINA	UFV
EG -C20	REMOTE SENSING OF THE EARTH'S SURFACE	GEOG 353	GEOG 373	GEOG 432	GEOG 228, 319, 322	GEOG 272	GEOG 326	GEOG 453
EG -C21	AIR PHOTO INTERPRETATION	GEOG 253	GEOG 373	GEOG 205	GEOG 222	GEOG 272	n.e.c.	n.e.c.
EG -C22	ADVANCED COURSE IN GEOSCIENCE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	GEOL 300 OR GEOL 301 OR GEOL 312	n.e.c.
EG -C23	ADVANCED COURSE IN GEOSCIENCE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	GEOL 470	n.e.c.
EG -C24	THESIS IN GEOSCIENCE-Topic must be geoscience, not bioscience or chemistry	GEOG 491, EASC 499	EOSC 447, 449	ENSC 430, GEOG 430	GEOG 499, EOS 499	EESc 449, GEOG 498	n.e.c.	GEOG 492
EG-C25*	EG-A1, A2, A3, A4, A5, A6, A7 not used above	See above	See above	See above	See above	See above		n.e.c.

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SPECIFIC TO GEOLOGY - 06-GL - COMPULSORY (6 OF 7 REQUIRED)							
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	UFV
GL-A1	INTRODUCTION TO GEOMORPHOLOGY	GEOG 213	EOSC 330, GEOG 306	GEOG 210	GEOG 276	GEOG 222, EESc 222	GEOG 202
GL-A2	INTRODUCTION TO GEOCHEMISTRY	EASC 208	EOSC 327, 333	n.e.c.	EOS 240	EESc 323	n.e.c.
GL-A3	INTRODUCTION TO APPLIED GEOPHYSICS	EASC 207	EOSC 252,350,351	n.e.c.	EOS 480	EESc 350	n.e.c.
GL-A4	INTRODUCTION TO PALEONTOLOGY	EASC 310	EOSC 222&425	n.e.c.	EOS 330	EESc 341	n.e.c.
Choose any <u>TWO</u> of: GL-A5 GL-A6 GL-A7	IGNEOUS PETROLOGY	EASC 301	EOSC 321	n.e.c.	EOS 316	EESc 322	n.e.c.
	METAMORPHIC PETROLOGY	EASC 301	EOSC 322	n.e.c.	EOS 416	EESc 322	n.e.c.
	SEDIMENTARY PETROLOGY	EASC 302	EOSC 421	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-A8	REGIONAL GEOLOGY	EASC 309	EOSC 332	n.e.c.	EOS 410	n.e.c.	n.e.c.
SPECIFIC TO GEOLOGY – 06 GL – COMPULSORY (1 OF 1 REQUIRED)							
GL-B1	FIELD WORK	EASC 206 & 306 OR 406	EOSC 223 & 328	GEOG 333	EOS 300 & 400	EESs 335 and one of EEsc 435, 437	n.e.c.

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SPECIFIC TO GEOLOGY - 06-GL - ELECTIVES (9 OF 31 REQUIRED)							
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	UFV
GL-C1	ADVANCED MINERALOGY	n.e.c.	EOSC 520	n.e.c.	n.e.c.	EESc 401	n.e.c.
GL-C2	IGNEOUS GEOLOGY	EASC 620	EOSC 420, 530	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-C3	METAMORPHIC GEOLOGY	EASC 608	EOSC 534	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-C4	SEDIMENTARY GEOLOGY	EASC 402, 611	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-C5	ADVANCED STRUCTURE & TECTONICS	EASC 404	EOSC 422	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-C6	ADVANCED GEOMORPHOLOGY	GEOG 313, 412, 413	GEOG 308, 405, 406, 408	GEOG 311	GEOG 376,476	EESc 435	n.e.c.
GL-C7	ADVANCED PALEONTOLOGY	BISC 434	EOSC 425	n.e.c.	EOS 506	n.e.c.	n.e.c.
GL-C8	ADVANCED GEOCHEMISTRY	EASC 412	n.e.c.	n.e.c.	EOS 335, 425 EOS 504	EESc 423	n.e.c.
GL-C9	ADVANCED GEOPHYSICS	EASC 307, 317, 417	EOSC 400 LEVEL OR HIGHER	n.e.c.	n.e.c.	n.e.c.	n.e.c.

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NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	UFV
GL-C10	MINERAL DEPOSITS	EASC 401	EOSC 331	n.e.c.	EOS 420	EESc 360	n.e.c.
GL-C11	ORE PETROLOGY	n.e.c.	EOSC 424	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-C12	MINING EVALUATION	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-C13	PETROLEUM GEOLOGY	EASC 420	EOSC 432	n.e.c.	EOS 422	n.e.c.	n.e.c.
GL-C14	RESERVOIR EVALUATION	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-C15	COAL GEOLOGY	n.e.c.	EOSC 432, 528	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-C16	INDUSTRIAL MATERIALS	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-C17	QUATERNARY GEOLOGY	EASC 403, GEOG 412	GEOG 308	GEOG 411	EOS 450	EESc 431	GEOG 402

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NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	UFV
GL-C18	HYDROGEOLOGY	EASC 304	EOSC 329	ENSC 451	EOS 440	EESc 342	n.e.c.
GL-C19	GROUNDWATER CONTAMINATION	EASC 410	EOSC 429	ENSC 308	n.e.c.	n.e.c.	n.e.c.
GL-C20	MARINE GEOLOGY	n.e.c.	EOSC 426	n.e.c.	EOS 313, 408, 508 EOS/BIOL 311	n.e.c.	n.e.c.
GL-C21	INTRODUCTION TO SOIL SCIENCE	GEOG 317	SOIL 200	FSTY 205, 425	GEOG 379	EESc 456	GEOG 315
GL-C22	ENGINEERING GEOLOGY	EASC 413	EOSC 434	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-C23	ENVIRONMENTAL GEOLOGY	EASC 303, 411	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GL-C24	GEOSCIENCE COMPUTER APPLICATIONS	GEOG 352, 451	EOSC 211	n.e.c.	CSC 242	n.e.c.	n.e.c.

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GL-C25	GEOGRAPHIC/ SPATIAL DATA ANALYSIS	GEOG 255	GEOG 270	GEOG 300	GEOG 222, 308, 326, 328	GEOG 370	GEOG 253
GL-C26	REMOTE SENSING OF THE EARTH'S SURFACE	GEOG 353	GEOG 373	GEOG 432	GEOG 228, 319, 322	GEOG 272	GEOG 453
GL-C27	AERIAL PHOTO INTERPRETATION	GEOG 253	GEOG 373	GEOG 205	GEOG 222	GEOG 272	n.e.c.
GL-C28	ADVANCED COURSE IN GEOSCIENCE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE
GL-C29	ADVANCED COURSE IN GEOSCIENCE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE
GL-C30	THESIS IN GEOSCIENCE	EASC 499	EOSC 447, 449	GEOG 430, ENSC 430	EOS 499	EESc 449	n.e.c.
GL-31	GL-A1, A2, A3, A4, A5, A6, A7 not used above	See above	See above	See above	See above	See above	See above

*Candidates who have taken all the courses in 01-GL - COMPULSORY (6 OF 7 REQUIRED) can use the extra course here

**ASSOCIATION OF PROFESSIONAL ENGINEERS & GEOSCIENTISTS OF B.C.
GEOSCIENCE 'NEW' SYLLABUS - COURSE EQUIVALENTS**

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SPECIFIC TO GEOCHEMISTRY - 06-GC - COMPULSORY (6 OF 7 REQUIRED)							
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	UFV
GC-A1	INTRODUCTION TO GEOCHEMISTRY	EASC 208	EOSC 327, 333	n.e.c.	EOS 240	EESc 323	n.e.c.
GC-A2	EXPLORATION GEOCHEMISTRY	n.e.c.	EOSC 525	n.e.c.	n.e.c.	n.e.c.	n.e.c.
	OR APPLIED GEOCHEMISTRY	EASC 410	EOSC 429	n.e.c.	EOS 425, 430	n.e.c.	n.e.c.
GC-A3	ANALYTICAL GEOCHEMISTRY	n.e.c.	n.e.c.	n.e.c.	n.e.c.	EESc 333	n.e.c.
GC-A4	HYDROGEOLOGY	EASC 304	EOSC 329	ENSC 451	EOS 440	EESc 342	n.e.c.
GC-A5	INTRODUCTION TO GEOMORPHOLOGY	GEOG 213	GEOG 306, EOSC 330	GEOG 210	GEOG 276	GEOG 222, EESc 222	GEOG 202
GC-A6	INTRODUCTION TO APPLIED GEOPHYSICS	EASC 207	EOSC 252, 350, 351	n.e.c.	EOS 480	EESc 350	n.e.c.
GC-A7	INTRODUCTION TO SOIL SCIENCE	GEOG 317	SOIL 200	FSTY 205	GEOG 379	EESc 456	GEOG 315

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SPECIFIC TO GEOCHEMISTRY - 06-GC - COMPULSORY (1 OF 1 REQUIRED)							
GC-B1	FIELD WORK	n.e.c.*	n.e.c.*	n.e.c.*	n.e.c.*	n.e.c.*	n.e.c.*

**Until there is an approved university field school course, APEGBC will consider appropriate field work, supervised by a professional geoscientist as a substitute.*

SPECIFIC TO GEOCHEMISTRY – 06-GC – ELECTIVES (9 OF 21 REQUIRED)							
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	UFV
GC-C1	IGNEOUS PETROLOGY	EASC 301	EOSC 321	n.e.c.	EOS 310	EESc 322	n.e.c.
GC-C2	METAMORPHIC PETROLOGY	EASC 301	EOSC 322	n.e.c.	EOS 320	EESc 322	n.e.c.
GC-C3	SEDIMENTARY PETROLOGY	EASC 302	EOSC 421	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GC-C4	MINERAL DEPOSITS	EASC 401	EOSC 331	n.e.c.	EOS 420	EESc 360	n.e.c.
GC-C5	ORE PETROLOGY	n.e.c.	EOSC 424	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GC-C6	ADVANCED MINERALOGY	n.e.c.	EOSC 520	n.e.c.	n.e.c.	EESc 401	n.e.c.

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NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	UFV
GC-C7	STATISTICAL INTERPRETATION OF GEOCHEMICAL DATA	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GC-C8	QUATERNARY GEOLOGY	EASC 403	GEOG 308	GEOG 411	EOS 450	EESc 431	GEOG 402
GC-C9	PHYSICAL HYDROLOGY	GEOG 311	GEOG 205, CIVL 418	GEOG 310	GEOG 370	GEOG 205	GEOG 303
GC-C10	GROUNDWATER CONTAMINATION	EASC 410	EOSC 429	ENSC 308	n.e.c.	n.e.c.	n.e.c.
GC-C11	APPLIED GEOMORPHOLOG Y	EASC 303, 408	n.e.c.	GEOG 498	GEOG 377	EESc 437	n.e.c.
GC-C12	PEDOLOGY	GEOG 417	n.e.c.	FSTY 455	n.e.c.	n.e.c.	n.e.c.
GC-C13	GEOGRAPHIC - SPATIAL DATA ANALYSIS	GEOG 255	GEOG 376	GEOG 300	GEOG 228, 308, 326, 328	GEOG 370	GEOG 253
GC-C14	REMOTE SENSING OF THE EARTH'S SURFACE	GEOG 353	GEOG 373	GEOG 432	GEOG 228,319, 322	GEOG 272	GEOG 453

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NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	UFV
GC-C15	AIR PHOTO INTERPRETATION	GEOG 253	GEOG 373	GEOG 205	GEOG 222	GEOG 272	n.e.c.
GC-C16	ADVANCED COURSE IN GEOCHEMISTRY	ANY UPPER LEVEL GEOCHEMISTRY COURSE	ANY UPPER LEVEL GEOCHEMISTRY COURSE	ANY UPPER LEVEL GEOCHEMISTRY COURSE	ANY UPPER LEVEL GEOCHEMISTRY COURSE	ANY UPPER LEVEL GEOCHEMISTRY COURSE	n.e.c.
GC-C17	ADVANCED COURSE IN GEOCHEMISTRY	ANY UPPER LEVEL GEOCHEMISTRY COURSE	ANY UPPER LEVEL GEOCHEMISTRY COURSE	ANY UPPER LEVEL GEOCHEMISTRY COURSE	ANY UPPER LEVEL GEOCHEMISTRY COURSE	ANY UPPER LEVEL GEOCHEMISTRY COURSE	n.e.c.
GC-C18	ADVANCED COURSE IN GEOSCIENCE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE
GC-C19	ADVANCED COURSE IN GEOSCIENCE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE
GC-C20	THESIS IN GEOSCIENCE	EASC 499	EOSC 447, 449	GEOG 430, ENSC 430	EOS 499	EESc 449	n.e.c.
GC-C21	GC-A1, A2, A3, A4, A5, A6, A7 not used above	See above	See Above	See above	See above	See Above	See Above

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SPECIFIC TO GEOPHYSICS - 06-GP - COMPULSORY (6 OF 7 REQUIRED)							
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	UFV
GP-A1	EXPLORATION GEOPHYSICS	EASC 307	EOSC 252, 350	n.e.c.	EOS 480	n.e.c.	n.e.c.
GP-A2	PHYSICS OF THE EARTH	n.e.c.	EOSC 110	n.e.c.	PHYS 210, EOS 470	n.e.c.	n.e.c.
GP-A3	ELECTRICITY & MAGNETISM	PHYS 126	PHYS 301	PHYS 202	PHYS 216	PHYS 311	n.e.c.
GP-A4	POTENTIAL FIELD THEORY	n.e.c.	EOSC 450	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GP-A5	PHYSICAL PROPERTIES OF GEOLOGICAL MATERIALS	n.e.c.	EOSC 252	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GP-A6	SEISMOLOGY	EASC 417	EOSC 353	n.e.c.	EOS 523	n.e.c.	n.e.c.
GP-A7	TIME SERIES ANALYSIS	n.e.c.	EOSC 354	n.e.c.	PHYS 411	n.e.c.	n.e.c.
SPECIFIC TO GEOPHYSICS – 06 GL – COMPULSORY (1 OF 1 REQUIRED)							
GP-B1	FIELD WORK	n.e.c. *	n.e.c.*	n.e.c. *	n.e.c. *	n.e.c. *	n.e.c. *

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SPECIFIC TO GEOPHYSICS - 06-GP - ELECTIVES (9 OF 22 REQUIRED)							
NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	UFV
GP-C1	ELECTRONICS	PHYS 326, ENSC 220	PHYS 209, EECE 263	PHYS 305	PHYS 214	n.e.c.	n.e.c.
GP-C2	MECHANICS	PHYS 125	EOSC 352	PHYS 300	PHYS 431 OR PHYS 321 A & B	PHYS 216	n.e.c.
GP-C3	HEAT & THERMODYNAMICS	PHYS 344	PHYS 203	PHYS 200	PHYS 317	PHYS 215	n.e.c.
GP-C4	ELECTROMAGNETIC THEORY	PHYS 324	PHYS 401	PHYS 310	PHYS 326, 422	n.e.c.	n.e.c.
GP-C5	APPLIED MATHEMATICS	MATH 310	MATH 316, PHYS 312	MATH 434	MATH 323	n.e.c.	n.e.c.
GP-C6	NUMERICAL METHODS COMPUTING	n.e.c.	EOSC 211, CPSC 302	MATH 335	CSC 110	n.e.c.	n.e.c.
GP-C7	ADVANCED APPLIED EXPLORATION GEOPHYSICS	n.e.c.	EOSC 454	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GP-C8	GEO-, PALAEO-, AND ROCK - MAGNETISM	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GP-C9	GEOPHYSICAL INTERPRETATION	n.e.c.	EOSC 550, 555	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GP-C10	ADVANCED SEISMOLOGY	EASC 607	EOSC 551, 561	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GP-C11	ADVANCED EARTH PHYSICS	n.e.c.	EOSC 453	n.e.c.	n.e.c.	n.e.c.	n.e.c.

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NUMBER	DESCRIPTION	SFU	UBC	UNBC	UVIC	UBC-O	UFV
GP-C12	NUCLEAR PHYSICS	n.e.c.	PHYS 473	n.e.c.	PHYS 314	PHYS 413	n.e.c.
GP-C13	MARINE GEOPHYSICS	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.	n.e.c.
GP-C14	REMOTE SENSING OF THE EARTH'S SURFACE	GEOG 353	GEOG 373	GEOG 432	GEOG 228, 319, 322	GEOG 272	GEOG 453
GP-C15	GEOPHYSICAL HAZARD EVALUATION	GEOG 312	GEOG 404	n.e.c.	n.e.c.	GEOG 416	n.e.c.
GP-C16	GROUNDWATER CONTAMINATION	EASC 410	EOSC 429	ENSC 308	n.e.c.	n.e.c.	n.e.c.
GP-C17	HYDROGEOLOGY	EASC 304	EOSC 329	ENSC 451	EOS 440	EESc 342	n.e.c.
GP-C18	ADVANCED COURSE IN GEOPHYSICS	ANY UPPER LEVEL GEOPHYSICS COURSE	ANY UPPER LEVEL GEOPHYSICS COURSE	ANY UPPER LEVEL GEOPHYSICS COURSE	ANY UPPER LEVEL GEOPHYSICS COURSE	ANY UPPER LEVEL GEOPHYSICS COURSE	n.e.c.
GP-C19	ADVANCED COURSE IN GEOSCIENCE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	n.e.c.
GP-C20	ADVANCED COURSE IN GEOSCIENCE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	ANY UPPER LEVEL GEOSCIENCE COURSE	n.e.c.
GP-C21	THESIS IN GEOSCIENCE	EASC 499	EOSC 447, 449	GEOG 430, ENSC 430	EOS 499	EESc 449	n.e.c.
GP-C22	GP-A2, A3, A6, A7 not used above	See above	See above	See above	See above	See above	n.e.c.

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