



Professional Engineers  
and Geoscientists of BC

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# University of Victoria

## Geology Course Equivalent Listing

(Updated May 2012)

**NOTE:** This course listing is a reflection of APEGBC's adoption of the Geoscientists Canada "Geoscience Knowledge Requirements". Since January 2011, geoscience applicants have the option of attempting to meet the academic requirements either by applying under this 2011 syllabus or the previous 2006 syllabus. The courses in this document have been identified in consultation with the University of Victoria. Please be aware that course codes can be subject to change at any time.

Name: \_\_\_\_\_

System ID#: \_\_\_\_\_

**ASSOCIATION OF PROFESSIONAL ENGINEERS & GEOSCIENTISTS OF BRITISH COLUMBIA  
GEOLOGY SYLLABUS – UVIC COURSE EQUIVALENT LIST**

*This Geoscience Syllabus Should be Used as a Guide and May Be Subject to Change*

**\*\*Please note a course can only be used ONCE on the checklist\*\***

	Number	Description	UVIC Course	For Applicant Use
<b>Group: 1A – Compulsory Foundation Science – 11-GEOCOM- Fundamental Science (3 Required)</b>				
	FS-A1	Calculus (1 semester)	MATH 100	
	FS-A2	Physics (1 semester)	PHYS 102, 112, 120, 130	
	FS-A3	Chemistry (1 semester)	CHEM 101	
<b>Group: 1B – Additional Foundation Science – 11-GEOCOM- Electives (6 Required – NO MORE THAN TWO COURSES IN ANY ONE SUBJECT)</b>				
	COM-B1	Mathematics	MATH 101 or any 200 level or higher	
	COM-B2	Chemistry	CHEM 102 or any 200 level or higher	
	COM-B3	Physics	Any 200 level PHYS or higher	
	COM-B4	Biology	Any 100 level BIOL or higher	
	COM-B5	Computer Programming	Any 100 level CPSC or higher (Must have programming content)	
	COM-B6	Statistics	EOS 225, STAT 255, 260, GEOG 226	
<b>Group: 2A – Compulsory Geoscience – 11-GEOCOM- Compulsory (4 Required)</b>				
	COM-A1	Mineralogy & Petrology	EOS 205	
	COM-A2	Sedimentation & Stratigraphy	EOS 201	
	COM-A3	Structural Geology	EOS 202	
	COM-A4	Field Techniques	EOS 300	
<b>Group: 2B – Foundation Geology – 11-GL – Compulsory (5 Required – Must have a minimum of one, and at most , two from each sub-group, but no more than one in each subject)</b>				
Group A	FGL-A1	Geophysics	EOS 210, EOS/PHYS 427	
	FGL-A2	Geochemistry	EOS 240	
Group B	FGL-A3	Igneous Petrology	EOS 316, 416	
	FGL-A4	Metamorphic Petrology	EOS 316, 416	

**\*COURSE MUST BE ACCEPTABLE FOR CREDIT IN FACULTY OF SCIENCE OR APPLIED SCIENCE**

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	FGL-A5	Sedimentary Petrology	NO EQUIVALENT COURSE	
Group C	FGL-A6	Sedimentology	NO EQUIVALENT COURSE	
	FGL-A7 *Only <u>one</u> can be selected	Glacial Geology or Geomorphology	EOS 450, GEOG 276, 376, 424, 476	
	FGL-A8	Remote Sensing	GEOG 228, 319, 322	
<b>Group: 2C – Other Geology – 11-GL – Electives (9 Required)</b>				
Communication	GL-C1	Thesis	EOS 499A & B	
	GL-C2	Technical Writing	ENGL 225, 301, ENGR 240	
Earth Systems	GL-C3	Climatology	EOS 340, 433, GEOG 272, 373, 484	
	GL-C4	Meteorology	NO EQUIVALENT COURSE	
	GL-C5	Oceanography	EOS 311, 312, 313, 314, 315, 431	
	GL-C6	Earth Systems	EOS 260, 460	
Environmental	GL-C7	Hydrogeology	EOS 440	
	GL-C8	Hydrology	GEOG 272 , 370	
	GL-C9	Environmental Geology	NO EQUIVALENT COURSE	
	GL-C10	Limnogeology	NO EQUIVALENT COURSE	
	GL-C11	Biogeochemistry	EOS 403	
Field Techniques	GL-C12	Field Techniques	NO EQUIVALENT COURSE	
Geochemistry	GL-C13	Exploration Geochemistry	NO EQUIVALENT COURSE	
	GL-C14	Environmental Geochemistry	EOS 240	
	GL-C15	Isotope Geochemistry	EOS 335	
	GL-C16	Aqueous Geochemistry	EOS 425	

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<b>Group: 2C – Other Geology – 11-GL – Electives (9 Required) continued</b>				
Geomorphology	GL-C17	Quaternary Geology	EOS 450	
	GL-C18	Pedology	GEOG 391, ER 334	
	GL-C19	Geomorphology	GEOG 276, 376, 424, 476	
Geophysics	GL-C20	Physics of the Earth	EOS 210, EOS/PHYS 427	
	GL-C21	Exploration Geophysics	NO EQUIVALENT COURSE	
	GL-C22	Applied Geophysics	EOS 480	
	GL-C23	Environmental Geophysics	NO EQUIVALENT COURSE	
Geotechnical	GL-C24	Natural Hazards	NO EQUIVALENT COURSE	
	GL-C25	Engineering Geology	NO EQUIVALENT COURSE	
	GL-C26	Soil Mechanics	NO EQUIVALENT COURSE	
	GL-C27	Rock Mechanics	NO EQUIVALENT COURSE	
Mineralogy	GL-C28	Crystallography	NO EQUIVALENT COURSE	
	GL-C29	X-Ray Crystallography	NO EQUIVALENT COURSE	
	GL-C30	Optical Mineralogy	NO EQUIVALENT COURSE	
	GL-C31	Analytical Methods	NO EQUIVALENT COURSE	
Paleontology	GL-C32	Micropaleontology	NO EQUIVALENT COURSE	
	GL-C33	Palynology	NO EQUIVALENT COURSE	
	GL-C34	Paleobiology	EOS 330	
Petrology	GL-C35	Igneous Petrology	EOS 416	
	GL-C36	Volcanology	NO EQUIVALENT COURSE	
	GL-C37	Metamorphic Petrology	EOS 416	
	GL-C38	Sedimentary Petrology	NO EQUIVALENT COURSE	

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<b>Group: 2C – Other Geology – 11-GL – Electives (9 Required) continued</b>				
Quantitative Analysis	GL-C39	Geostatistics	GEOG 418, EOS 225	
	GL-C40	Computer Applications in Geoscience	CSC/PHYS 242	
	GL-C41	Geographic Information Systems	GEOG 222, 308, 328, 329	
Regional Geology	GL-C42	Geology of Canada	EOS 400	
	GL-C43	Geology of North America	NO EQUIVALENT COURSE	
Remote Sensing	GL-C44	Air Photo Interpretation	NO EQUIVALENT COURSE	
	GL-C45	Remote Sensing	GEOG 228, 319, 322, 422	
Resource Geology	GL-C46	Economic Geology	EOS 420	
	GL-C47	Mineral Deposits	NO EQUIVALENT COURSE	
	GL-C48	Ore Petrology	NO EQUIVALENT COURSE	
	GL-C49	Coal Geology	NO EQUIVALENT COURSE	
	GL-C50	Petroleum Geology	EOS 422	
	GL-C51	Industrial Materials	NO EQUIVALENT COURSE	
Sedimentology	GL-C52	Chemical Sedimentology	NO EQUIVALENT COURSE	
	GL-C53	Clastic Sedimentology	NO EQUIVALENT COURSE	
	GL-C54	Carbonate Sedimentology	NO EQUIVALENT COURSE	
	GL-C55	Glacial Geology	EOS 450	
Stratigraphy	GL-C56	Historical Geology	NO EQUIVALENT COURSE	
	GL-C57	Sequence Stratigraphy	NO EQUIVALENT COURSE	
	GL-C58	Stratigraphic Paleontology	NO EQUIVALENT COURSE	
	GL-C59	Geochronology	NO EQUIVALENT COURSE	

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<b>Group: 2C – Other Geology – 11-GL – Electives (9 Required) continued</b>				
Structure	GL-C60	Global Tectonics	EOS 410	
	GL-C61	Tectonics	NO EQUIVALENT COURSE	
	GL-C62	Structural Geology	NO EQUIVALENT COURSE	