



Professional Engineers
and Geoscientists of BC
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Geology

Checklist for Self-Evaluation

NOTE: This checklist is a reflection of APEGBC's adoption of the Geoscientists Canada "Geoscience Knowledge Requirements". Effective January 2011, geoscience applicants will have the option of attempting to meet the academic requirements either by applying under this 2011 syllabus or the previous 2006 syllabus.

Name: _____

System ID#: _____

**ASSOCIATION OF PROFESSIONAL ENGINEERS & GEOSCIENTISTS OF BRITISH COLUMBIA
GEOSCIENCE SYLLABUS - CHECKLIST FOR SELF-EVALUATION**

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	Applicant's Self-Evaluation Course Equivalent	For Office Use Only
Group: 1A – Compulsory Foundation Science – 11-GEOCOM- Fundamental Science (3 Required)				
	FS-A1	Calculus (1 semester)		
	FS-A2	Physics (1 semester)		
	FS-A3	Chemistry (1 semester)		
Group: 1B – Additional Foundation Science – 11-GEOCOM- Electives (6 Required – NO MORE THAN TWO COURSES IN ANY ONE SUBJECT)				
	COM-B1	Mathematics		
	COM-B2	Chemistry		
	COM-B3	Physics		
	COM-B4	Biology		
	COM-B5	Computer Programming		
	COM-B6	Statistics		
Group: 2A – Compulsory Geoscience – 11-GEOCOM- Compulsory (4 Required)				
	COM-A1	Mineralogy & Petrology		
	COM-A2	Sedimentation & Stratigraphy		
	COM-A3	Structural Geology		
	COM-A4	Field Techniques		
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)				
Group A	FGL-A1	Geophysics		
	FGL-A2	Geochemistry		
Group B	FGL-A3	Igneous Petrology		
	FGL-A4	Metamorphic Petrology		
	FGL-A5	Sedimentary Petrology		

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Group C	FGL-A6	Sedimentology		
	FGL-A7 *Only one can be selected	Glacial Geology or Geomorphology		
	FGL-A8	Remote Sensing		
Group: 2C – Other Geology – 11-GL – Electives (9 Required)				
Communication	GL-C1	Thesis		
	GL-C2	Technical Writing		
Earth Systems	GL-C3	Climatology		
	GL-C4	Meteorology		
	GL-C5	Oceanography		
	GL-C6	Earth Systems		
Environmental	GL-C7	Hydrogeology		
	GL-C8	Hydrology		
	GL-C9	Environmental Geology		
	GL-C10	Limnogeology		
	GL-C11	Biogeochemistry		
Field Techniques	GL-C12	Field Techniques		
Geochemistry	GL-C13	Exploration Geochemistry		
	GL-C14	Environmental Geochemistry		
	GL-C15	Isotope Geochemistry		
	GL-C16	Aqueous Geochemistry		

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Group: 2C – Other Geology – 11-GL – Electives (9 Required) continued				
Geomorphology	GL-C17	Quaternary Geology		
	GL-C18	Pedology		
	GL-C19	Geomorphology		
Geophysics	GL-C20	Physics of the Earth		
	GL-C21	Exploration Geophysics		
	GL-C22	Applied Geophysics		
	GL-C23	Environmental Geophysics		
Geotechnical	GL-C24	Natural Hazards		
	GL-C25	Engineering Geology		
	GL-C26	Soil Mechanics		
	GL-C27	Rock Mechanics		
Mineralogy	GL-C28	Crystallography		
	GL-C29	X-Ray Crystallography		
	GL-C30	Optical Mineralogy		
	GL-C31	Analytical Methods		
Paleontology	GL-C32	Micropaleontology		
	GL-C33	Palynology		
	GL-C34	Paleobiology		
Petrology	GL-C35	Igneous Petrology		
	GL-C36	Volcanology		
	GL-C37	Metamorphic Petrology		
	GL-C38	Sedimentary Petrology		

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Group: 2C – Other Geology – 11-GL – Electives (9 Required) continued				
Quantitative Analysis	GL-C39	Geostatistics		
	GL-C40	Computer Applications in Geoscience		
	GL-C41	Geographic Information Systems		
Regional Geology	GL-C42	Geology of Canada		
	GL-C43	Geology of North America		
Remote Sensing	GL-C44	Air Photo Interpretation		
	GL-C45	Remote Sensing		
Resource Geology	GL-C46	Economic Geology		
	GL-C47	Mineral Deposits		
	GL-C48	Ore Petrology		
	GL-C49	Coal Geology		
	GL-C50	Petroleum Geology		
	GL-C51	Industrial Materials		
Sedimentology	GL-C52	Chemical Sedimentology		
	GL-C53	Clastic Sedimentology		
	GL-C54	Carbonate Sedimentology		
	GL-C55	Glacial Geology		
Stratigraphy	GL-C56	Historical Geology		
	GL-C57	Sequence Stratigraphy		
	GL-C58	Stratigraphic Paleontology		
	GL-C59	Geochronology		

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Structure	GL-C60	Global Tectonics		
	GL-C61	Tectonics		
	GL-C62	Structural Geology		