



ENGINEERS &
GEOSCIENTISTS
BRITISH COLUMBIA

Geology Checklist for Self-Evaluation

(Updated June 2023)

This course listing is a reflection of Engineers & Geoscientists BC's adoption of the Geoscientists Canada [Geoscience Knowledge Requirements](#).

Instructions:

Prior to beginning, please ensure that you have reviewed the [Guideline to Completing Geoscience Checklists & Course Descriptions](#).

- A course can only be listed one time on the entire checklist
- Courses you list need to correspond to the course codes that appear on your transcript
 - If you are claiming courses from more than one institution, please clearly indicate the institution name where the course was completed.
- Courses must be acceptable for credit in the Faculty of Science or Applied Science
- If you are unsure which subject a course may be claimed towards, please choose the most relevant subject and indicate your uncertainty. Reviewers will try to determine the suitable subject.
- Note that EGBC staff or volunteers may contact the applicant for additional information during the assessment if additional information or clarification is required.

Geology Course Equivalent Checklist

Name: _____

User ID: _____

	Number	Subject	Course (Institution Name)	Additional notes/comments
Group: 1A – Compulsory Foundation Science – 11-GEOCOM- Fundamental Science (All 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 (All 4 subjects required)				
	COM-A1	Mineralogy & Petrology		
	COM-A2	Sedimentation & Stratigraphy		
	COM-A3	Structural Geology		
	COM-A4*	Field Techniques		
<p>*Applicants can choose to report work experience in lieu of taking a field techniques course offered by a post-secondary institution. Instructions can be found here: COM-A4-Field-Techniques-Instructions-for-Reporting-Experience-Updated-April-2023.pdf.aspx (egbc.ca)</p>				
Group: 2B – Foundation Geology – 11-GL – (5 Required)				
<ul style="list-style-type: none"> • Must have at least one course in each group, and • Maximum of two courses in each group 				
Group A	FGL-A1	Geophysics		
	FGL-A2	Geochemistry		
Group B	FGL-A3	Igneous Petrology		

Geology Course Equivalent Checklist

	Number	Subject	Course (Institution Name)	Additional notes/comments
	FGL-A4	Metamorphic Petrology		
	FGL-A5	Sedimentary Petrology		
Group C	FGL-A6	Sedimentology		
	FGL-A7 *Only <u>one</u> can be selected	Glacial Geology or Geomorphology		
	FGL-A8	Remote Sensing or GIS		
Group: 2C – Other Geology – 11-GL – Electives (9 Required) Multiple courses can be entered in each subject for only this section				
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		

Geology Course Equivalent Checklist

Group: 2C – Other Geology – 11-GL – Electives (9 Required) continued Multiple courses can be entered in each subject for only this section				
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		

Geology Course Equivalent Checklist

	Number	Subject	Course (Institution Name)	Additional Notes/comments
Group: 2C – Other Geology – 11-GL – Electives (9 Required) continued Multiple courses can be entered in each subject for only this section				
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		

Geology Course Equivalent Checklist

	Number	Subject	Course (Institution Name)	Additional notes/comments
Group: 2C – Other Geology – 11-GL – Electives (9 Required) continued Multiple courses can be entered in each subject for only this section				
Structure	GL-C60	Global Tectonics		
	GL-C61	Tectonics		
	GL-C62	Structural Geology		