



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](#). In consultation with (Institution Name), the courses in this document have been identified as equivalent to the subjects listed. Note that course codes can be subject to change at any time. Prior to beginning, please ensure that you have reviewed the [Guideline to Completing Geoscience Checklists & Course Descriptions](#).

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)	For Applicant Use
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 (eqbc.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		

Geology Course Equivalent Checklist

	Number	Subject	Course (Institution Name)	For Applicant Use
Group B	FGL-A3	Igneous Petrology		
	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	(Institution Name) Course	For Applicant Use
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	(Institution Name) Course	For Applicant Use
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		