



ENGINEERS &
GEOSCIENTISTS
BRITISH COLUMBIA

University of Victoria

Geology Course Equivalent Listing

(Updated April 2024)

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.

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

Name: _____

System ID#: _____

ENGINEERS AND GEOSCIENTISTS BC – GEOLOGY CHECKLIST – UVIC COURSE EQUIVALENT LIST

This Geoscience Checklist 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
Group: 1A – Compulsory Foundation Science – 11-GEOCOM- Fundamental Science (All 3 Required)				
	FS-A1	Calculus (1 semester)	MATH 100, 109	
	FS-A2	Physics (1 semester)	PHYS 102, 102A, 110, 112, 120, 130	
	FS-A3	Chemistry (1 semester)	CHEM 101	
Group: 1B – Additional Foundation Science – 11-GEOCOM- Electives (6 Required – NO MORE THAN TWO COURSES IN ANY ONE SUBJECT)				
	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	PHYS 102B, 111, 130, or 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, EOS 230, 325 (Must have programming content)	
	COM-B6	Statistics	EOS 225, STAT 255, 260, GEOG 226	
Group: 2A – Compulsory Geoscience – 11-GEOCOM- Compulsory (All 4 Subjects Required – NO MORE THAN ONE COURSE IN EACH SUBJECT)				
	COM-A1	Mineralogy & Petrology	EOS 205	
	COM-A2	Sedimentation & Stratigraphy	EOS 201	
	COM-A3	Structural Geology	EOS 202	
	COM-A4*	Field Techniques	EOS 300	
<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>				

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Group: 2B – Foundation Geology – (5 Required) • Must have at least one course in each group, and • Maximum of two courses in each group				
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	
	FGL-A5	Sedimentary Petrology	NO EQUIVALENT COURSE	
Group C	FGL-A6	Sedimentology	EOS 423	
	FGL-A7 *Only <u>one</u> can be selected	Glacial Geology or Geomorphology	EOS 450, GEOG 276, 376, 424, 476	
	FGL-A8	Remote Sensing or GIS	GEOG 222, 228, 319, 322, 328	

[Group 2C – Electives on next page]

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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	EOS 499A & B	
	GL-C2	Technical Writing	ENGL 225, 301, ENGR 240	
Earth Systems	GL-C3	Climatology	EOS 220, 261, 340, 433, GEOG 272, 373, 484	
	GL-C4	Meteorology	GEOG 313, 484, EOS 220, 451	
	GL-C5	Oceanography	EOS 311, 312, 313, 314, 315, 431	
	GL-C6	Earth Systems	EOS 260, 261, 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	

Group 2C checklist continued on next page

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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	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	EOS 170	
	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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Group: 2C – Other Geology – 11-GL – Electives (9 Required) continued. Multiple courses can be entered in each subject for only this section				

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Quantitative Analysis	GL-C39	Geostatistics	GEOG 418, EOS 225	
	GL-C40	Computer Applications in Geoscience	CSC/PHYS 242, EOS 230, EOS 325	
	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 Stratigraphy	GL-C56	Historical Geology	EOS 321	
	GL-C57	Sequence Stratigraphy	NO EQUIVALENT COURSE	
	GL-C58	Stratigraphic Paleontology	NO EQUIVALENT COURSE	
	GL-C59	Geochronology	NO EQUIVALENT COURSE	
Structure	GL-C60	Global Tectonics	EOS 410	
	GL-C61	Tectonics	NO EQUIVALENT COURSE	
	GL-C62	Structural Geology	NO EQUIVALENT COURSE	

