VANCOUVER ISLAND UNIVERSITY

Bachelor of Science, Major in Geoscience[1] and Minor in Chemistry
Program Grid

Note: This program grid is provided for guidance only. Degree completion is based on courses completed successfully and is subject to all applicable requirements and procedures in effect. Students should consult the B.Sc. Degree Advisor to confirm program requirements for their chosen degree.

Course Number	Course Name	Credits	Upper-Level Credits	Notes
English 1	100-level English	3		2
English 1	100-level English	3		2
MATH 121	Calculus I	4		
MATH 122	Calculus II	4		
Non-Science 100-499	Non-Science Elective I	3		3
Non-Science 100-499	Non-Science Elective II	3		3
CHEM 140A and 140L	Chemistry Fundamentals I	4		
CHEM 141A or 142A, and 142L	Chemistry Fundamentals II	4		
GEOG 101	Environmental Geography	3		
GEOL 111	Discovering Planet Earth	4		
GEOL 112	Understanding Earth's History	4		
GEOL 115	Lab & Field Studies in Earth Science	3		
GEOG 211	Atmospheric Environments	3		
GEOG 212	Earth Environments	3		
GEOG 228	Maps and Mapping	3		
GEOL 200	Mineralogy and Petrology	3		
GEOL 201	Sedimentology and Stratigraphy	3		
GEOL 202	Earth Structures	3		
GEOL 206	Field Geology and Geol. Mapping	3		
GEOG 221, MATH 211 or 254	Statistics	3		
GEOG 328	Geographic Information Systems	3	3	
GEOL 300	Igneous and Metamorphic Petrology	3	3	
GEOL 300-499	Upper-Level Geology Elective I	3	3	4
GEOL 300-499	Upper-Level Geology Elective II	3	3	4
GEOL 300-499	Upper-Level Geology Elective III	3	3	4
GEOG 300-499	Upper-Level Geography Elective I	3	3	5
GEOG 300-499	Upper-Level Geography Elective II	3	3	5
GEOG 300-499	Upper-Level Geography Elective III	3	3	5
GEOL or GEOG 300-499	Upper-Level Geoscience Elective I	3	3	6
GEOL or GEOG 300-499	Upper-Level Geoscience Elective II	3	3	6
CHEM 200-299	200-Level Chemistry Elective I	3		7
CHEM 200-299	200-Level Chemistry Elective II	3		7
CHEM 200-299	200-Level Chemistry Elective III	3		7
CHEM 300-499	Upper-Level Chemistry Elective I	3	3	8
CHEM 300-499	Upper-Level Chemistry Elective II	3	3	8
CHEM 300-499	Upper-Level Chemistry Elective III	3	3	8
CHEM 300-499	Upper-Level Chemistry Elective IV	3	3	8
Elective 100-499	General Elective I	3		9
Elective 100-499	General Elective II	3		9
Elective 100-499	General Elective III	3		9
	TOTAL:	126	42	

See notes on the next page /…

1. The professional association Engineers and Geoscientists of BC (EGBC; https://www.egbc.ca/) has additional requirements for professional registration beyond those stated here. For more information, see the EGBC webpage to determine lower-level and upper-level requirements that are required or recommended to pursue registration for this professional certification.

    - These requirements may affect course selection at various levels, including: English, upper-level geoscience electives, upper-level electives, and general electives.
    - Academic requirements differ between “Environmental Geoscience” and “Geology” registration categories.

2. The Degree English Requirement can be met as follows:

    - Two of ENGL 115 (or 117), 125 (or 127), 135, 204, or an INTR course that includes a ENGL course exemption; or,
    - LBST 111 and 112.

3. Non-Science Electives can be any courses outside of the Science discipline numbered 100-499. The following courses may not be counted to meet this requirement, although they may be counted as general electives:

    - Any course beginning with the following discipline identifiers: AQUA, ASTR, BIOL, CHEM, CSCI, ENGC, ENGE, ENGM, ENGR, FISH, FRST, GEOL, MATH, PHYS, RMOT, QUME, and SCIE.
    - Anthropology: ANTH 111, 213, 214, 341B, 342, 343, 344, 350, 351, 352, 353 361, 401, 430, 449, 460.
    - Geography: GEOG 211, 212, 221, 226, 228, 326, 328, 372, 373, 374, 376, 426, 428.
    - Psychology: PSYC 204, 205, 300A, 300B, 301, 302, 305, 315, 316, 318, 319, 323, 324, 345, 365, 400, 415, 419, 445, 490, 491, 498A.
    - Kinesiology: KIN 201, 220, 301, 302, 400, 401.

4. Upper-Level Geology Electives can be any GEOL course numbered 300-499. GEOL 480, 490 and 491 cannot be used to meet the Upper-Level Geology Electives requirement.

5. Upper-Level Geography Electives must be chosen among GEOG 326, 372, 373, 374, 376, 426, or 428.

6. Upper-Level Geoscience Electives can be any eligible courses listed in notes 5 and 6 (above), including GEOL 390, 480, 490 or 491, which have not been used as Upper-Level Geology or Upper-Level Geography Electives.

7. The 200-Level Chemistry Electives can be any CHEM course numbered 200-299.

    - Note: Students should check upper-level course prerequisites to guide selection of the 200-Level Chemistry Electives.

8. Upper-Level Chemistry Electives can be any CHEM course numbered 300-499.

9. General Electives can be courses in any discipline numbered 100-499.