VANCOUVER ISLAND UNIVERSITY

Bachelor of Science, Minor in Computer Science, Minor in Earth Science
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		1
English 2	100-level English	3		1
MATH 100 or 121	Calculus I	3		
MATH 101 or 122	Calculus II	3		
Science 100-299	Lower-Level Science Elective I	4		2
Science 100-299	Lower-Level Science Elective II	4		2
Non-Science 100-499	Non-Science Elective I	3		3
Non-Science 100-499	Non-Science Elective II	3		3
CSCI 160	Computer Science I	4		
CSCI 161	Computer Science II	4		
CSCI 162	Topics in Computer Science	4		
MATH 123	Logic and Foundations	3		
CSCI 260	Data Structures	3		
CSCI 265	Software Engineering	3		
CSCI 370	Database Systems	3	3	
CSCI 300-499	Upper-Level Comp. Sci. Elective I	3	3	4
CSCI 300-499	Upper-Level Comp. Sci. Elective II	3	3	4
CSCI 300-499	Upper-Level Comp. Sci. Elective III	3	3	4
CSCI 300-499	Upper-Level Comp. Sci. Elective IV	3	3	4
CSCI 300-499	Upper-Level Comp. Sci. Elective V	3	3	4
GEOL 111	Discovering Planet Earth	4		
GEOL 112	Understanding Earth's History	4		
GEOL 115	Lab & Field Studies in Earth Science	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		
GEOL 300-499	Upper-Level Geology Elective I	3	3	5
GEOL 300-499	Upper-Level Geology Elective II	3	3	5
GEOL 300-499	Upper-Level Geology Elective III	3	3	5
GEOL 300-499	Upper-Level Earth Science Elective I	3	3	6
GEOL 300-499	Upper-Level Earth Science Elective II	3	3	6
GEOL 300-499	Upper-Level Earth Science Elective III	3	3	6
Elective 300-499	Upper-Level Elective I	3	3	7
Elective 300-499	Upper-Level Elective II	3	3	7
Elective 100-499	General Elective I	3		8
Elective 100-499	General Elective II	3		8
Elective 100-499	General Elective III	3		8
Elective 100-499	General Elective IV	3		8
Elective 100-499	General Elective V	3		8
	TOTAL:	127	42	

NOTES:

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

    -   Two of ENGL 115, 125, 135, 204, or INTR 100; or,
    -   LBST 111 and 112.

2. Lower-Level Science Electives can be courses numbered 100-299 in any science discipline, except CSCI and GEOL courses. These courses are required to satisfy the Lower-Level Sciences Requirement of the Bachelor of Science degree. Options of science disciplines include:

    -   AQUA, ASTR, BIOL, CHEM, ENGC, ENGE, ENGM, ENGR, FISH, FRST, GEOL, PHYS, RMOT and QUME.

3. Non-Science Elective can be any course 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, 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.
    -   Physical Education: PHED 201, 220, 301, 302, 400, 401.

4. Upper-Level Computer Science Electives can be any CSCI course numbered 300-499.

    -   Students should check upper-level course prerequisites to guide second-year course selection. Some upper-level CSCI courses may require completion of a greater number of second-year courses than is required by the Minor.

5. Upper-Level Geology Electives can be any GEOL course numbered 300-499.

6. Upper-Level Earth Science Electives can be any course chosen from the following lists:

    -   GEOL courses numbered 300-499; or,
    -   CHEM 301, 302; GEOG 326, 328, 372, 373, 374, 376, 428.

7. Upper-Level Electives can be courses in any discipline numbered 300-499.

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