VANCOUVER ISLAND UNIVERSITY

Bachelor of Science, Minor in Biology, Minor in Computing 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 121	Calculus I	3		
MATH 122	Calculus II	3		
Non-Science 100-499	Non-Science Elective I	3		2
Non-Science 100-499	Non-Science Elective II	3		2
BIOL 121	Introductory Zoology	4		
BIOL 123	Intro. Cellular & Molecular Biology	4		
CHEM 111, 121 or 140	Chemistry Fundamentals I	4		
CHEM 122, 141 or 142	Chemistry Fundamentals II	4		
BIOL 201	Principles of Biochemistry	3		
BIOL 200, 202, 210, 212 or 223	200-Level Biology Elective I	3		3
BIOL 200, 202, 210, 212 or 223	200-Level Biology Elective II	3		3
CHEM 231	Organic Chemistry I	3		
MATH 211	Statistics I	3		
BIOL 300-499	Upper-Level Biology Elective I	3	3	4
BIOL 300-499	Upper-Level Biology Elective II	3	3	4
BIOL 300-499	Upper-Level Biology Elective III	3	3	4
BIOL 300-499	Upper-Level Biology Elective IV	3	3	4
BIOL 300-499	Upper-Level Biology Elective V	3	3	4
BIOL 300-499	Upper-Level Biology Elective VI	3	3	4
CSCI 160	Computing Science I	4		
CSCI 161	Computing Science II	4		
CSCI 162	Topics in Computing Science	4		
MATH 123	Logic and Foundations	3		
CSCI 251	Systems and Networks	3		
CSCI 260	Data Structures	3		
CSCI 261	Comp. Architecture & Assembly Lang.	3		
CSCI 265	Software Engineering	3		
CSCI 320	Foundations of Computer Science	3	3	
CSCI 370	Database Systems	3	3	
CSCI 300-499	Upper-Level Comp. Sci. Elective I	3	3	5
CSCI 300-499	Upper-Level Comp. Sci. Elective II	3	3	5
CSCI 300-499	Upper-Level Comp. Sci. Elective III	3	3	5
CSCI 300-499	Upper-Level Comp. Sci. Elective IV	3	3	5
Elective 300-499	Upper-Level Elective I	3	3	6
Elective 300-499	Upper-Level Elective II	3	3	6
Elective 100-499	General Elective I	3		7
Elective 100-499	General Elective II	3		7
Elective 100-499	General Elective III	3		7
	TOTAL:	127	42	

See notes on the next page /…

NOTES:

1. The Degree English Requirement can be met as follows:
    - ENGL 115 and one of ENGL 111, 112, 116, 125, 135 or 225;
    - ENGL 111 and 112;
    - ENGL 125 and 135; or,
    - LBST 111 and 112.

2. 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, 361, 401, 430, 449, 460.
    - Geography: GEOG 211, 212, 221, 226, 228, 326, 328, 372, 373, 374, 376, 428.
    - Psychology: PSYC 200, 204, 205, 206, 300A, 300B, 301, 302, 315, 316, 317A, 319, 323, 324, 345A, 365, 400, 445, 490, 491.
    - Physical Education: PHED 201, 210, 220, 302, 400.

3. The 200-Level Biology Elective can be chosen from BIOL 200, 202, 210, 212 or 223.
    - Note: Students should check upper-level course prerequisites to guide selection of the 200-Level Biology Electives.

4. Upper-Level Biology Electives can be any BIOL course numbered 300-499.

5. Upper-Level Computing Science Electives can be any CSCI course numbered 300-499.

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

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