Vancouver Island University

Bachelor of Science, Minor in Chemistry, Minor in Computer 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 I	3		1
English 2	100-level English II	3		1
MATH 121	Calculus I	3		
MATH 122	Calculus II	3		
Science 100-299	Lower-Level Science Elective	4		2
Non-Science 100-499	Non-Science Elective I	3		3
Non-Science 100-499	Non-Science Elective II	3		3
CHEM 140	Chemistry Fundamentals I	4		
CHEM 141 or 142	Chemistry Fundamentals II	4		
CHEM 200-299	200-Level Chemistry Elective I	3		4
CHEM 200-299	200-Level Chemistry Elective II	3		4
CHEM 200-299	200-Level Chemistry Elective III	3		4
CHEM 200-299	200-Level Chemistry Elective IV	3		4
CHEM 300-499	Upper-Level Chemistry Elective I	3	3	5
CHEM 300-499	Upper-Level Chemistry Elective II	3	3	5
CHEM 300-499	Upper-Level Chemistry Elective III	3	3	5
CHEM 300-499	Upper-Level Chemistry Elective IV	3	3	5
CHEM 300-499	Upper-Level Chemistry Elective V	3	3	5
CHEM 300-499	Upper-Level Chemistry Elective VI	3	3	5
CSCI 159	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	6
CSCI 300-499	Upper-Level Comp. Sci. Elective II	3	3	6
CSCI 300-499	Upper-Level Comp. Sci. Elective III	3	3	6
CSCI 300-499	Upper-Level Comp. Sci. Elective IV	3	3	6
CSCI 300-499	Upper-Level Comp. Sci. Elective V	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
Elective 100-499	General Elective IV	3		8
Elective 100-499	General Elective V	3		8
	TOTAL:	126	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 CHEM and CSCI 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, ENGC, ENGE, ENGM, ENGR, ESCI, FISH, FRST, MATH, PHYS, RMOT and QUME.

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, 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. The 200-Level Chemistry Electives can be any CHEM course numbered 200-299 or BIOL 201.

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

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

6. 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.

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.