Vancouver Island University

Bachelor of Science, Computer Science - Program Grid
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 CSCI Degree Advisor to confirm the program requirements for their degree.

Course Number	Course Name	Credits	Upper-level Credits	Notes
CSCI 159	Computer Science I	4		
CSCI 161	Computer Science II	4		
CSCI 162	Topics in Computer Science	3		
CSCI 251	Systems and Networks	3		
CSCI 260	Data Structures	4		
CSCI 261	Computer Architecture & Assembly Language	3		
CSCI 265	Software Engineering	3		
CSCI 310	Introduction to Human-Computer Interaction	3	3	
CSCI 311	Web Programming	4	4	
CSCI 320	Foundations of Computer Science	3	3	
CSCI 330	Programming Languages	3	3	
CSCI 355	Digital Logic and Computer Organization	4	4	
CSCI 360	Intro to Operating Systems	3	3	
CSCI 370	Database Systems	3	3	
CSCI 400	Computers and Society	3	3	
CSCI 460	Networks and Communications	3	3	
CSCI 300-399	CSCI Upper-level Elective 1	3	3	a
CSCI 400-499	CSCI Upper-level Elective 2	3	3	a
CSCI 400-499	CSCI Upper-level Elective 3	3	3	a
MATH 121	Calculus I	4		
MATH 122	Calculus II	4		
MATH 123	Logic and Foundations	3		
MATH 223	Discrete and Combinatorial Mathematics	3		
MATH 241	Linear Algebra	3		
ENGL 115	University Writing and Research	3		
ENGL 204	Business and Technical Writing	3		
UL Elec 1	Upper-level Elective 1	3	3	b
UL Elec 2	Upper-level Elective 2	3	3	b
UL Elec 3	Upper-level Elective 3	3	3	b
NS Elec 1	Non-science Elective 1	3		c
NS Elec 2	Non-science Elective 2	3		c
BR Elec 1	Breadth Elective 1	3		d
BR Elec 2	Breadth Elective 2	3		d
Elec 1	General Elective 1	3		e
Elec 2	General Elective 2	3		e
Elec 3	General Elective 3	3		e
Elec 4	General Elective 4	3		e
Elec 5	General Elective 5	3		e
Elec 6	General Elective 6	3		e
	Total	124	47	

See notes on the next page.

Notes:

    a.   Students must complete at least 6 additional credits of Computer Science courses at the 400 level, and at least 3 additional credits of Computer Science number 300 or above, excluding CSCI 307, CSCI 308, CSCI 309, CSCI 408, and CSCI 409.

    b.   Students must complete at least 9 additional credits at the 300 or 400 level, excluding CSCI 307, CSCI 308, CSCI 309, CSCI 408, and CSCI 409.

    c.   Amongst all of the electives taken, students must obtain at least six credits from non-Science Faculties, as approved by the Computer Science Department.

    d.   Amongst all of the electives taken, students must obtain at least six credits from the Faculty of Science and Technology (but excluding MATH and CSCI) and/or the Faculty of Management, as approved by the Computer Science Department.

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