

Washington State University Vancouver School of Engineering and Computer Science
 Bachelor of Science in Computer Science

Computer Science Four-Year Plan

Freshman		Sophomore		Junior		Senior	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
[QUAN] Calculus I Math 171 C	Calculus II Math 172 C	Calculus III Math 273 [PSCI] Physics for Scientist & Engr. Physics 201 C	Linear Algebra Math 220 [PSCI] Physics for Scientist & Engr. Physics 202	Automata & Formal Lang. CS 317 Fund. of Software Engr. CS 320 [M]	Programming Lang. Design CS 355 Systems Programming CS 360 Intro. to Database Systems CS 351 CS Option Course 2	[CAPS] Soft. Des. Proj. I CS 420 Design & Analysis of Algorithms CS 450 CS Option Course 3 CS Option Course 4	Software Design Project II CS 421 Social & Prof. Issues in CS CS 402 [M] Operating Systems CS 460 Cryptography & Network Security CS 427 CS Option Course 5
Program Design & Development CS 121 C	Discrete Mathematics CS 166 C Data Structures CS 122 C	Computer Organization CS 260 C Advanced Data Structures CS 223	C and Assembly Lang. Prog. CS 261 C Programming Tools CS 224 C	CS Option Course 1 Probability & Statistics Stat 360	Complete Writing Portfolio (No credit)		
UCORE [WRTG] English 101	UCORE [HUM] Humanities	UCORE [SSCI] EconS 101/102	UCORE [BSCI] Biological Science w/Lab	[WRTG] Tech. Prof. Writing English 402	UCORE [DIVR] Diversity	UCORE [ARTS] Creat. & Prof. Arts	
UCORE [ROOT] History 105							
14	14	15	16	15	16	15	15

Credits
1
2
3

C = Required for Certification. All CS courses & prerequisites must also be "C" grade or better. Students must apply for/obtain CS Certification to enroll in all 300- or 400-Level CS Courses.

Shaded lower division courses are required for subsequent coursework (see catalog descriptions)

CS Requirements effective Fall 2019

Option Courses: Fifteen semester hours of option area courses are required. The option courses are chosen from upper-division CS and related courses and must be approved by a faculty advisor.

CS 260/CS 261 sequence may be satisfied with ECE 214 & ECE 234

For details on the Application for Certification in CS, see Catalog or contact an ENCS Academic Coordinator.