

EIGHT SEMESTER PLAN: COMPUTER SCIENCE, B.S. DEGREE

Freshman Year			
FALL SEMESTER		SPRING SEMESTER	
<i>Course and Number</i>	<i>Credit Hours</i>	<i>Course and Number</i>	<i>Credit Hours</i>
CS 150 Problem Solving & Programming. I	4	CS 151 Problem Solving & Programming. II	4
MATH 153 Calculus I	4	MATH 255 Calculus II	4
CS 191 First Year Seminar: How Does Software Work?	3	ENGL 101 Writing and Rhetoric	3
Liberal Studies	3	COMM 201 Foundations of Communications	3
	14		14

Sophomore Year			
FALL SEMESTER		SPRING SEMESTER	
<i>Course and Number</i>	<i>Credit Hours</i>	<i>Course and Number</i>	<i>Credit Hours</i>
CS 253 Software Development	3	CS 263 Software Engineering	3
CS 351 Data Structures and Algorithms	4	CS 352 Programming Languages	3
MATH 250 Logic and Proof	3	MATH 310 Discrete Structures	3
ENGL 202 Writing and Critical Inquiry	3	Liberal Studies	3
Liberal Studies	3	Science	4
	16		16

Upper Level Perspective (ULP): An approved Upper Level Liberal Studies Perspectives course is required in one of the Liberal Studies Perspectives categories.

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Junior Year			
FALL SEMESTER		SPRING SEMESTER	
<i>Course and Number</i>	<i>Credit Hours</i>	<i>Course and Number</i>	<i>Credit Hours</i>
CS 350 Computer Organization	3	CS 370 Operating Systems	3
CS 465 Computer Networking	3	CS 453 Database Systems	3
MATH 270 or 370 Statistics	3	Liberal Studies	3
Liberal Studies	3	Liberal Studies	3
Science	4	Science	4
	16		16

The first semester of the senior year, students may apply for graduation.

Senior Year			
FALL SEMESTER		SPRING SEMESTER	
<i>Course and Number</i>	<i>Credit Hours</i>	<i>Course and Number</i>	<i>Credit Hours</i>
CS 353 Social and Ethical Issues in Computing	1	CS 496 Capstone II	2
CS 495 Capstone I	2	CS Elective	3
CS Elective	3	General Electives	8
Liberal Studies	3		
General Elective	6		
	15		13

Total Hours for Degree: 120

Initial math course should be determined by placement. Please see the Advising Center for questions.

Students may finish earlier if they attend summer school at WCU or another approved institution.