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

Freshman Year			
FALL SEMESTER		SPRING SEMESTER	
Course and Number	*Credit Hours*	*Course and Number*	*Credit Hours*
CS 150 Problem Solving & Programming. I	4	CS 151 Problem Solving & Programming. II	4
MATH 146 Precalculus II	4	MATH 153 Calculus I	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	
Course and Number	*Credit Hours*	*Course and Number*	*Credit Hours*
CS 253 Software Development	3	CS 352 Programming Languages	3
CS 351 Data Structures and Algorithms	4	CS 364 Software Engineering	3
MATH 255 Calculus II	4	MATH 250 Logic and Proof	3
ENGL 202 Writing and Critical Inquiry	3	Liberal Studies	7
	14		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	
Course and Number	*Credit Hours*	*Course and Number*	*Credit Hours*
CS 260 Computer Organization	3	CS 370 Operating Systems	3
CS 465 Computer Networking	3	CS 453 Database Systems	3
CS 466 Information Security	3	MATH 270 or 370 Statistics	3
MATH 310 Discrete Structures	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	
Course and Number	*Credit Hours*	*Course and Number*	*Credit Hours*
CS 495 Capstone I	2	CS 353 Professional Ethics in Computing	2
CS Elective	3	CS 496 Capstone II	2
Liberal Studies	3	CS Elective	3
General Elective	7	Liberal Studies	3
		General Electives	5
	15		15

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.