

SIX SEMESTER PLAN: COMPUTER SCIENCE AND APPLIED MATH, B.S. DEGREE

Year One			
SPRING SEMESTER		FALL SEMESTER	
<i>Course and Number</i>	<i>Credit Hours</i>	<i>Course and Number</i>	<i>Credit Hours</i>
CS 151 Problem Solving & Programming. II	4	CS 260 Computer Organization	3
MATH 255 Calculus II	4	CS 253 Software Development	3
MATH 270 Statistical Methods I	3	MATH 256 Calculus III	4
MATH 250 Logic and Proof	3	MATH 310 Discrete Structures	3
	14		13

Year Two			
SPRING SEMESTER		FALL SEMESTER	
<i>Course and Number</i>	<i>Credit Hours</i>	<i>Course and Number</i>	<i>Credit Hours</i>
MATH 320 Ordinary Differential Equations	3	CS 351 Data Structures and Algorithms	4
CS 352 Programming Languages	3	MATH 362 Linear Algebra I	3
CS 364 Software Engineering	3	MATH 441 Intro to Numerical Analysis	3
CS 370 Operating Systems	3	CS Elective	3
	12		13

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Year Three			
SPRING SEMESTER		FALL SEMESTER	
<i>Course and Number</i>	<i>Credit Hours</i>	<i>Course and Number</i>	<i>Credit Hours</i>
CS 353 Professional Ethics in Computing	2	CS 465 Computer Networking	3
CS 453 Database Systems	3	CS 466 Information Security I	3
CS 495 Capstone I	2	CS 496 Capstone II	2
MATH 340 Intro to Scientific Computing	3	MATH 479 Capstone	2
MATH Elective	3		
	13		10

Plan assumes that students have received transfer credit for CS 150 (CSC 151 and CSC 251 or CSC 121 and CSC 221) and passed Calculus I and all liberal studies and science requirements have been met.