



**Sample 4 Year Plan
Bachelor of Science
Computer Science
Software Engineering Concentration**

		Fall Semester		Spring Semester		
		Course Information	Credit Hrs	Course Information	Credit Hrs	
First Year	AP	UNIV 1000 – University Success	1	AP	ENGL 1020 – English Composition II	3
	AP	ENGL 1010 – English Composition I	3		CSCI 2010/2011 – Intro to Programming II w/lab	4
		CSCI 1010/1011 – Intro to Programming I w/lab	4		MATH 1920 – Calculus II	4
	AP	MATH 1910 – Calculus I	4	AP	History Core	3
	AP	History Core	3		Elective	1
		TOTAL SCH	15		TOTAL SCH	15

		Fall Semester		Spring Semester		
Second Year		CSCI 3005 – Object Oriented Programming	3		CSCI 3250 – Data Structure and Algorithms	3
		CSCI 3400 – Computer Organization I	3		MATH 3000 – Discrete Mathematics	3
		CSCI 2600 – Computer Ethics	3		CSCI 2700 – Data Communications and Networking	3
	AP	Humanities and Fine Arts Core	3	AP	ENGL 2330 – Topics in World Literature	3
	AP	COMM 2045 – Public Speaking	3	AP	Humanities and Fine Arts Core	3
		TOTAL SCH	16		TOTAL SCH	16

		Fall Semester		Spring Semester		
Third Year		STAT 3250 – Statistical Methods	3		CSCI 4200 – Principles of Information Security	3
	AP	Natural Science Core w/lab	4		CSCI 4270 – Algorithm Design & Analysis	3
		CSCI 4100 – Operating Systems & Architecture	3		MATH 3450 – Linear Algebra	3
		CSCI 4603 – Requirements and Project Management	3	AP	Natural Science Core w/lab	4
		Elective	3		CSCI 4600 – Intro to Software Engineering	3
		TOTAL SCH	16		TOTALSCH	16

		Fall Semester		Spring Semester		
Fourth Year		CSCI 4230 – Programming Languages	3		CSCI 4805 – Computer Science Capstone or CSCI 3900 - Internship	3
		CSCI 4601 – Testing and Quality Assurance	3		CSCI 4602 – Software Design and Architecture	3
	AP	Social and Behavioral Sciences Cores	3	AP	Social and Behavioral Sciences Core	3
		CSCI 4400 – Principles of Database Mgt	3		CSCI 4800 – Senior Seminar	1
		Elective	3		Elective	3
		TOTAL SCH	15		TOTAL SCH	13

***AP** designates General Education Core Course to be completed for your degree.

**Bachelor degrees require the completion of 33 upper division (3000 – 4999) credit hours.