

\*The following roadmap is a sample academic planning resource. Please consult your academic advisor and Academic Catalog for graduation requirements as you develop your individualized academic plan.

**College: College of Engineering and Computer Science**

**Degree: BS – Bachelor of Science**

**Major: Computer Science\***

Term #	Course #	Course Title	Units
1	CSC 15	Programming Concepts and Methodology I	3
	MATH 30	Calculus I	4
	X	General Education Requirement Area A3	3
	X	General Education Requirement Area F	3
	X	General Education Requirement Area E	3
		Semester Total	16
2	MATH 31	Calculus II	4
	ENGL 5	Accelerated Academic Literacies	3
	CSC 20	Programming Concepts and Methodology II	3
	X	General Education Requirement Area A1	3
	X	General Education Requirement Area B2	3
		Semester Total	16
3	CSC 28	Discrete Structures for Computer Science	3
	CSC 35	Introduction to Computer Architecture	3
	ENGL 20	College Composition II	3
	X	General Education Requirement Area C	3
	PHYS 11A	General Physics: Mechanics	4
		Semester Total	16
4	CSC 130	Data Structures and Algorithm Analysis	3
	CSC 131	Computer Software Engineering	3
	X	MATH/SCI ELECTIVE	3
	STAT 50	Introduction to Probability and Statistics	4
	X	General Education Requirement Area D	3
		Semester Total	16

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Term #	Course #	Course Title	Units
5	CSC 133	Object-Oriented Computer Graphics Programming	3
	CSC 134	Database Management Systems	3
	CSC 60	Introduction to Systems Programming in UNIX	3
	X	CSC Course	3
	X	American Institutions (US HIST)	3
		Semester Total	15
6	CSC 135	Computability and Formal Languages	3
	CSC 137	Computer Organization	3
	PHIL 103	Business and Computer Ethics	3
	X	CSC Course	3
	X	MATH/SCI ELECTIVE	3
	X	General Education Requirement Area C	3
		Semester Total	15
7	CSC 138	Computer Networking Fundamentals	3
	CSC 139	Operating System Principles	3
	CSC 190	Senior Project - Part I	2
	X	CSC ELECTIVE	3
	X	American Institutions (GOVT)	3
	X	General Education Requirement Area C	3
		Semester Total	17
8	CSC 191	Senior Project - Part II	2
	X	CSC ELECTIVE	3
	X	CSC ELECTIVE	3
	X	Upper Division General Education Requirement Area B5	3
	X	Upper Division General Education Requirement Area C and Writing Intensive	3
		Semester Total	14