

\*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: Civil Engineering\***

Term #	Course #	Course Title	Units
1	CE 1	Civil Engineering Seminar	1
	CE 4	Engineering Graphics and CAD	2
	CHEM 1E	General Chemistry for Engineering	4
	MATH 30	Calculus I	4
	X	General Education Requirement Area F	3
	X	General Education Requirement Area C	3
		Semester Total	17
2	PHYS 11A	General Physics: Mechanics	4
	ENGL 5	Accelerated Academic Literacies	3
	MATH 31	Calculus II	4
	CE 9	Plane and Topographic Surveying	2
	CE 9L	Plane and Topographic Surveying Laboratory	1
	X	General Education Requirement Area A1	3
		Semester Total	17
3	PHYS 11C	General Physics: Electricity and Magnetism	4
	MATH 45	Differential Equations for Science and Engineering	3
	ENGR 45	Engineering Materials	3
	X	General Education Requirement Area B2	3
	X	American Institutions (US HIST)	3
		Semester Total	16
4	ENGL 20	College Composition II	3
	ENGR 30	Analytic Mechanics: Statics	3
	X	MATH 35 or MATH 100	3
	X	American Institutions (GOVT)	3
	X	General Education Requirement Area C	3
	X	General Education Requirement Area D	3

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			Semester Total	18
Term #	Course #	Course Title		Units
5	CE 101	Computer Applications in Civil Engineering		3
	ENGR 110	Analytic Mechanics - Dynamics		3
	ENGR 112	Mechanics of Materials		3
	ENGR 115	Statistics for Engineers		3
	ENGR 132	Fluid Mechanics		3
			Semester Total	15
6	CE 100	Engineering Geology		2
	CE 130	Water Resources Engineering		3
	CE 130L	Hydraulics Laboratory		1
	CE 140	Transportation Engineering		3
	CE 140L	Transportation Engineering Laboratory		1
	CE 160	Introduction to Structural Analysis		3
	X	Upper Division General Education Requirement Area C and Writing Intensive		3
			Semester Total	16
7	CE 150	Principles of Environmental Engineering		2
	CE 150L	Environmental Engineering Laboratory		1
	CE 151	Environmental Engineering Practice		2
	CE 170	Soil Mechanics		3
	CE 170L	Soil Mechanics Laboratory		1
	CE 190	Civil Engineering Project Skills		3
	X	CE Elective		3
			Semester Total	15
8	CE 160L	Structural Laboratory		1
	CE 191	Senior Project		3
	X	Upper Division General Education Requirement Area D		3
	X	CE Elective		3
	X	CE Elective		3
	X	CE Elective		3
			Semester Total	16