*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: ***Electrical and Electronic Engineering****

Term #	Course #	Course Title	Units
1	CHEM 1E	General Chemistry for Engineering	4
	ENGR 1	Introduction to Engineering	1
	MATH 30	Calculus I	4
	X	General Education Requirement Area F	3
	X	General Education Requirement Area A1	3
		Semester Total	15
2	X	General Education Requirement Area A2	3
	PHYS 11A	General Physics: Mechanics	4
	ENGR 50	Computational Methods and Applications	3
	MATH 31	Calculus II	4
	X	General Education Requirement Area D Lower Division (e.g. US History)	3
		Semester Total	17
3	MATH 32	Calculus III	4
	PHYS11C	General Physics: Electricity and Magnetism	4
	EEE 64	Introduction to Logic Design	4
	X	General Education Requirement Area D Lower Division (e.g. GOVT/POLS)	3
		Semester Total	15
4	ENGR 17	Introductory Circuit Analysis	3
	MATH 45	Differential Equations for Science and Engineering	3
	ENGL 20	College Composition II	3
	X	General Education Requirement Area C1	3
	X	General Education Requirement Area B2	3
		Semester Total	15

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Term #	Course #	Course Title	Units
5	EEE 117	Network Analysis	3
	EEE 117L	Network Analysis Laboratory	1
	EEE 161	Applied Electromagnetics	4
	EEE 180	Signals and Systems	3
	ENGR 140	Engineering Economics	2
	X	General Education Requirement Area C2	3
		Semester Total	16
6	EEE 108	Electronics I	3
	EEE 108L	Electronics I Laboratory	1
	ENGR 120	Probability and Random Signals	3
	EEE 141	Power System Analysis I	3
	EEE 174	Introduction to Microprocessors	4
	EEE 184	Introduction to Feedback Systems	3
		Semester Total	17
7	EEE 185	Modern Communication Systems	3
	EEE 109	Electronics II	4
	EEE 193A	Product Design Project I	2
	EEE 142	Power System Analysis II	3
	EEE 143	Power System Analysis Lab	1
	EEE 192A	Electrical Power Design Project I	2
	X	Depth Elective Lecture and Lab	1
	X	Depth Elective Lecture	3
		Semester Total	19
8	EEE 193B	Product Design Project II	2
	EEE 192B	Electrical Power Design Project II	2
	X	Broad Elective Lecture	3
	X	Writing Intensive, General Education Upper Division C1/C2	3
		Semester Total	10