



College of Engineering

Bachelor of Science - Electrical Engineering

Four-Year Academic Map 2014-2015

Year 1	Semester 1			Semester 2			Total
	CHEM 1117	Fundamentals of Chemistry Lab	1	ECE 1331	Computers and Problems Solving	3	
	CHEM 1372	Fundamentals of Chemistry	3	ENGL 1304	First Year Writing II	3	
	ECE 1100	Intro to ECE	1	HIST 1378	The United States Since 1877	3	
	ENGI 1100	Introduction To Engineering	1	MATH 1432	Calculus II	4	
	ENGL 1303	First Year Writing	3	PHYS 1321	University Physics I	3	
	HIST 1377	The United States to 1877	3	PHYS 1121	Physics Lab I	1	
	MATH 1431	Calculus I	4				
Semester Hours		16	Semester Hours		17	33	

Year 2	Semester 1			Semester 2			Total
	ECE 2100	Circuit Analysis Laboratory	1	ECE 4436	Microprocessor Systems	4	
	ECE 2300	Circuit Analysis	3	ECE 3331	Programming Applications in ECE	3	
	MATH 2433	Calculus III	4	ECE 3337	Signals and Systems Analysis	3	
	MATH 3321	Engineering Mathematics	3	ENGI 2304	Technical Communications	3	
	PHYS 1322	University Physics II	3	CORE	Creative Arts	3	
	PHYS 1122	Physics Lab II	1				
	POLS 1336	U.S. and Texas	3				
Semester Hours		18	Semester Hours		16	34	

Year 3	Semester 1			Semester 2			Total
	ECE 3155	Electronics Laboratory	1	ECE	Concentration Elective	3	
	ECE 3317	Applied Electromagnetic Waves	3	ECE2331	Numerical Methods	3	
	ECE 3355	Electronics	3	ECE Elect	ECE Elective	3	
	ECE Elect	ECE Elective	3	ECE Elect Lab	ECE Elective Lab	1	
	ECE	Concentration Elective	3	POLS 1337	U.S. Government	3	
	CORE	Language, Philosophy, & Culture	3	INDE 2333	Engineering Statistics I	3	
	Semester Hours		16	Semester Hours		16	32

Year 4	Semester 1			Semester 2			Total
	ECE 4335	Systems Design I	3	ECE 4336	Design II	3	
	ECE	Concentration Elective	3	ECE	Concentration Elective	3	
	ECE	Concentration Elective	3	ECE	Concentration Elective	3	
	ECE Elect Lab	Elective Lab	1	ECE	Concentration Elective	3	
	Tech Elective	Technical Elective	3	ECE Elect Lab	ECE Elective Lab	1	
	ECON 2304	Microeconomic Principles	3	ECE Elect Lab	ECE Elective Lab	1	
	Semester Hours		16	Semester Hours		14	30
						129	

Students should meet with their academic advisor to formulate their own plan.

