

COLLEGE OF ENGINEERING

Bachelor of Science, Electrical Engineering

Four-Year Academic Map 2019-2020

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total	
	CHEM 1111	Fundamentals of Chemistry Lab	1	ENGI 1331	Computing for Engineers	3		
	CHEM 1331	Fundamentals of Chemistry*	3	ENGL 1304	First Year Writing II*	3		
	ENGI 1100	Introduction To Engineering	1	HIST 1378/79	The United States Since 1877*	3		
	ENGL 1303	First Year Writing I*	3	MATH 1432	Calculus II*	4		
	HIST 1376/77	The United States To 1877*	3	PHYS 1321	University Physics I*	3		
	MATH 1431	Calculus I*	4	PHYS 1121	Physics Lab I	1		
Semester Hours			15	Semester Hours			17	32

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total	
	ECE 2201	Circuit Analysis I	2	ENGI 2304	Technical Communications*	3		
	MATH 2433	Calculus III	4	ECE 2202	Circuit Analysis II	2		
	MATH 3321	Engineering Mathematics	3	ECE 2100	Circuit Analysis Laboratory	1		
	PHYS 1322	University Physics II	3	ECE 3331	Programming Applications in ECE	3		
	PHYS 1122	Physics Lab II	1	ECE 3441	Digital Logic Design	4		
	POLS 1336	U.S. & TX Constitution/Politics*	3	CORE	Creative Arts*	3		
Semester Hours			16	Semester Hours			16	32

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	ECE 3355	Electronics	3	ECE Elect	Concentration Elective	3		
	ECE 3155	Electronics Laboratory	1	ECE 3340	Numerical Methods	3		
	ECE 3436	Microprocessors	4	ECE Elect	ECE Elective	3		
	ECE 3337	Signals & Systems Analysis	3	ECE Elect Lab	ECE Elective Lab	1		
	ECE Elect	ECE Elective	3	POLS 1337	U.S. Government*	3		
	ECE 3317	Applied EM Waves	3	INDE 2333	Engineering Statistics I	3		
Semester Hours			17	Semester Hours			16	33

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total	
	ECE 4335	Systems Design I	3	ECE 4336	Systems Design II	3		
	ECE Elect	Concentration Elective	3	ECE Elect	Concentration Elective	3		
	ECE Elect	Concentration Elective	3	ECE Elect	Concentration Elective	3		
	ECE Elect Lab	Elective Lab	1	ECE Elect	Concentration Elective	3		
	Tech Elective	Technical Elective	3	ECE Elect Lab	ECE Elective Lab	1		
	ECON 2304	Microeconomic Principles*	3	CORE	Language, Philosophy, & Culture*	3		
Semester Hours			16	Semester Hours			16	32
							129	

*State of Texas Core Curriculum

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