COLLEGE OF ENGINEERING
Bachelor of Science, Electrical Engineering
Four-Year Academic Map 2023-2024

YEAR 1

Semester 1 Fall			Semester 2 Spring			Total
CHEM 1111	Fundamentals of Chemistry Lab	1	ENGI 1331	Computing for Engineers	3	
CHEM 1311	Fundamentals of Chemistry*	3	ENGL 1302	First Year Writing II*	3	
ENGI 1100	Introduction To Engineering	1	HIST 1302	The United States Since 1877*	3	
ENGL 1301	First Year Writing I*	3	MATH 2414	Calculus II*	4	
HIST 1301	The United States To 1877*	3	PHYS 2325	University Physics I*	3	
MATH 2413	Calculus I*	4	PHYS 2125	University Physics Laboratory 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 2415	Calculus III	4	ECE 2202	Circuit Analysis II	2	
MATH 3321	Engineering Mathematics	3	ECE 2100	Circuit Analysis Laboratory	1	
PHYS 2326	University Physics II	3	ECE 3331	Programming Applications in ECE	3	
PHYS 2126	University Physics Laboratory II	1	ECE 3441	Digital Logic Design	4	
GOVT 2306	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	CONC 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	
INDE 2333	Engineering Statistics I	3	ECON 2302	Principles of Microeconomics*	3	
ECE 3317	Applied EM Waves	3	ECE Elect	ECE Elective	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	
CONC Elect	Concentration Elective	3	CONC Elect	Concentration Elective	3	
CONC Elect	Concentration Elective	3	CONC Elect	Concentration Elective	3	
ECE Elect Lab	Elective Lab	1	CONC Elect	Concentration Elective	3	
Tech Elective	Technical Elective	3	ECE Elect Lab	ECE Elective Lab	1	
GOVT 2305	U.S. Government*	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.