

# COLLEGE OF ENGINEERING

## Bachelor of Science, Computer Engineering

### Four-Year Academic Map 2022-2023

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

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

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	COSC 1437	Intro to Programming	4	COSC 2436	Programming & Data Structures	4		
	ECE 3155	Electronics Lab	1	ECE 3457	Digital Electronics	4		
	ECE 3355	Electronics	3	ECE Elect/Lab	ECE Elective and Lab	4		
	ECE 3436	Microprocessors	4	INDE 2333	Engineering Statistics I	3		
	ECE 3337	Signal & System Analysis	3					
	ECE 3317	Applied EM Waves	3					
Semester Hours			18	Semester Hours			15	33

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total	
	MATH 3336	Discrete Mathematics	3	GOVT 2305	U.S. Government*	3		
	ECE 4335	ECE Design I	3	ECE 4336	ECE Design II	3		
	ECE 5367	Intro to Comp Architecture Design	3	CpE Elect/Lab	Approved CpE Elective and Lab	4		
	CpE Elect/Lab	Approved CpE Elective and Lab	4	COSC 4351	Fundamentals of Software Engr	3		
	ECON 2302	Principles of Microeconomics *	3	CORE	Language, Philosophy & Culture*	3		
	Semester Hours			16	Semester Hours			16
							129	

\*State of Texas Core Curriculum

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