COLLEGE OF ENGINEERING

Bachelor of Science, Chemical Engineering

Four-Year Academic Map 2023-2024

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	ENGI 1100	Introduction to Engineering	1	ENGI 1331	Computing for Engineers	3	
	CHEM 1311	Fundamentals of Chemistry*	3	CHEM 1312	Fundamentals of Chemistry 2*	3	
	CHEM 1111	Fundamentals of Chemistry Lab	1	CHEM 1112	Fundamentals of Chemistry Lab	1	
	ENGL 1301	First Year Writing I*	3	ENGL 1302	First Year Writing II*	3	
	MATH 2413	Calculus I*	4	MATH 2414	Calculus II*	4	
	GOVT 2306	U.S. & TX Constitution/Politics*	3	PHYS 2325	University Physics I	3	
	Semester Hours		15	Semester Hours		17	32

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total
	CHEE 2331	Chemical Processes	3	CHEE 2332	Thermodynamics I	3	
	CHEM 2323	Organic Chemistry I	3	CHEE 3300	Materials Science & Engineering	3	
	MATH 2415	Calculus III	4	CHEM 2123	Organic Chemistry Lab	1	
	PHYS 2326	University Physics II	3	CHEM 2325	Organic Chemistry II	3	
	HIST 1301	The United States to 1877*	3	ENGI 2304	Technical Communications*	3	
				CHEE 3321	Analytical Methods for Chem Engr	3	
	Semester Hours		16	Semester Hours		16	32

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	CHEE 3333	Thermodynamics II	3	CHEE 3367	Process Modeling & Control	3	
	CHEE 3334	Statistical/Numerical Techniques	3	CHEE 3369	Chemical Engr Transport Processes	3	
	CHEE 3363	Fluid Mechanics	3	CHEE 3462	Unit Operations	4	
	GOVT 2305	U.S. Government*	3	CHEE 3466	Biological & Physical Chemistry	4	
	ECON 2302	Principles of Microeconomics *	3				
	CHEM Elect	Chemistry Elective	3				
	Semester Hours		18	Semester Hours		14	32

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	CHEE 4321	Chemical Engr Design I	3	Science Elect	Advanced Science Elective	3	
	CHEE 4361	Chemical Engr Practices	3	CHEE 4322	Chemical Engr Design II	3	
	CHEE 4367	Chemical Reaction Engr	3	CORE	Language, Philosophy & Culture*	3	
	HIST 1302	The United States Since 1877*	3	CHEE 4366	Biomolecular Engr Fundamentals	3	
	Tech Elective	Technical Elective	3	Tech Elective	Technical Elective	3	
	CORE	Creative Arts*	3				
	Semester Hours		18	Semester Hours		15	33
							129

***State of Texas Core Curriculum**

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