

COLLEGE OF ENGINEERING

Bachelor of Science, Civil Engineering

Four-Year Academic Map 2026-2027

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	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 2 Lab	1	
	ENGI 1100	Introduction to Engineering	1	ENGI 1331	Computing for Engineers	3	
	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	US & Texas Constitution and Politics *	3	PHYS 2325	University Physics I	3	
Semester Hours		15	Semester Hours		17	32	

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total
	ENGR 1304	Engineering Graphics	3	CIVE 2332	Mechanics of Solids	3	
	ENGR 2301	Mechanics I (Statics)	3	CIVE 3323	Probability & Statistics for Engrs	3	
	MATH 2415	Calculus III	4	ENGI 2304	Technical Communications	3	
	PHYS 2326	University Physics II	3	MECE 3336	Mechanics II (Dynamics)	3	
	Approved Science ELEC	Approved Basic Science Elective	3	MATH 3321	Engineering Mathematics	3	
				GOVT 2305	US Government: Congress, President & Courts*	3	
Semester Hours		16	Semester Hours		18	34	

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	CIVE 3331	Environmental Engineering	3	CIVE 3434	Fluid Mechanics & Hydraulic Engr	4	
	CIVE 3332	Engineering Materials	3	CIVE 4363	Concrete Design	3	
	CIVE 3337	Structural Analysis	3	CIVE 4369	Foundation Engineering	3	
	CIVE 3339	Geotechnical Engineering	3	BSCE ELEC	Approved BSCE Elective	3	
	MECE 2334	Thermodynamics	3	BSCE ELEC	Approved BSCE Elective	3	
	CORE	Social & Behavioral Science*	3				
Semester Hours		18	Semester Hours		16	34	

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	CIVE 4311	Professional Practice in Civil Engr	3	CIVE 4312	Civil Engineering Design Project	3	
	CIVE 4332	Hydrology	3	BSCE ELEC	Approved BSCE Elective	3	
	CIVE 4333	Water & Wastewater Treatment	3	BSCE ELEC	Approved BSCE Elective	3	
	CORE	American History*	3	CORE	American History*	3	
	CORE	Language, Philosophy & Culture*	3	CORE	Creative Arts*	3	
	Semester Hours		15	Semester Hours		15	30
						130	

*State of Texas Core Curriculum

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