COLLEGE OF ENGINEERING Bachelor of Science, Construction Engineering Four-Year Academic Map 2024-2025

	Semester 1	Fall		Semester 2 S	Spring		Total
YEAR 1	ENGI 1100	Introduction to Engineering	1	CHEM 1312	Fundamentals of Chemistry 2*	3	
	CHEM 1311	Fundamentals of Chemistry*	3	CHEM 1112	Fundamentals of Chemistry 2 Lab	1	
	CHEM 1111	Fundamentals of Chemistry Lab	1	ENGI 1331	Computing for Engineers	3	
	ENGL 1301	First Year Writing I*	3	ENGL 1302	First Year Writing II*	3	
L E	MATH 2413	Calculus I*	4	MATH 2414	Calculus II*	4	
	GOVT 2306	US & Texas Constitution and Politics *	3	PHYS 2325	University Physics	3	
	Semester Hours		15	Semester Hours		17	32
	Semester 1 Fall			Semester 2 Spring			Total
YEAR 2	INDE 2333	Engineering Statistics I	3	CIVE 2332	Mechanics of Solids	3	
	ENGR 2301	Mechanics I	3	CNE 2211	Construction Engineering Fundamentals	2	
	MATH 2415	Calculus III	4	MECE 3336	Mechanics II	3	
	GOVT 2305	US Government *	3	ENGI 2304	Technical Communications	3	
	PHYS 2326	University Physics II	3	MATH 3321	Engineering Mathematics	3	
				CORE	Social & Behavioral Science*	3	
	Semester Hours		16	Semester Hours		17	33
	Semester 1 Fall			Semester 2 Spring			Total
	CNE 3311	Construction Engineering Methods and Cost Estimating	3	CNE 3301	Construction Safety Engineering	3	
	CNE 3310	Construction Engineering Project Management	3	CIVE 4363	Concrete Design	3	
R 3	CNE 3310 CIVE 3332	Construction Engineering Project	3 3	CIVE 4363 CNE 3322	Concrete Design Legal Aspects of Construction Engineering	3	
AR 3		Construction Engineering Project Management			Legal Aspects of Construction		
YEAR 3	CIVE 3332	Construction Engineering Project Management Engineering Materials	3	CNE 3322	Legal Aspects of Construction Engineering	3	
YEAR 3	CIVE 3332 CIVE 3337	Construction Engineering Project Management Engineering Materials Structural Analysis	3 3	CNE 3322 CNE 3333	Legal Aspects of Construction Engineering Building Information Modeling	3 3	
YEAR 3	CIVE 3332 CIVE 3337 CIVE 3339	Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying	3 3 3	CNE 3322 CNE 3333	Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I	3 3	33
YEAR 3	CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380	Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying 's	3 3 3 3	CNE 3322 CNE 3333 INDE 3333	Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I	3 3 3	33 Total
YEAR 3	CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour	Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying 's	3 3 3 3	CNE 3322 CNE 3333 INDE 3333 Semester Hours	Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I	3 3 3	
4 YEAR 3	CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour Semester 1	Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying s Fall Smart and Sustainable Urban	3 3 3 3 18	CNE 3322 CNE 3333 INDE 3333 Semester Hours Semester 2 S	Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I	3 3 3 15	
4	CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour Semester 1 CNE 4326	Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying s Fall Smart and Sustainable Urban Infrastructure	3 3 3 18 3	CNE 3322 CNE 3333 INDE 3333 Semester Hours Semester 2 S CNE 4312	Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I	3 3 3 15 3	
4	CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour Semester 1 CNE 4326 CIVE 3331	Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying rs Fall Smart and Sustainable Urban Infrastructure Environmental Engineering Health Care Infrastructure	3 3 3 18 3 3 3	CNE 3322 CNE 3333 INDE 3333 Semester Hours Semester 2 S CNE 4312 CNE 4322	Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I S S Spring Construction Engineering Capstone Design Construction Engineering Best Practices	3 3 3 15 3 3	
YEAR 4 YEAR 3	CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour Semester 1 CNE 4326 CIVE 3331 CNE 4323	Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying TS Fall Smart and Sustainable Urban Infrastructure Environmental Engineering Health Care Infrastructure Design and Construction	3 3 3 18 3 3 3 3 3	CNE 3322 CNE 3333 INDE 3333 Semester Hours Semester Hours CNE 4312 CNE 4322 CNE 4325	Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I S Sopring Construction Engineering Capstone Design Construction Engineering Best Practices Utility System Construction	3 3 15 3 3 3 3	
4	CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour Semester 1 CNE 4326 CIVE 3331 CNE 4323 HIST 1301	Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying s Fall Smart and Sustainable Urban Infrastructure Environmental Engineering Health Care Infrastructure Design and Construction The United States to 1877* Language, Philosophy & Culture*	3 3 3 18 3 3 3 3 3 3	CNE 3322 CNE 3333 INDE 3333 Semester Hours Semester Hours CNE 4312 CNE 4322 CNE 4322 HIST 1302	Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I Construction Engineering Capstone Design Construction Engineering Best Practices Utility System Construction The United States Since 1877* Creative Arts*	3 3 15 3 3 3 3 3	

\*State of Texas Core Curriculum

All Major Courses will be taken out of the UH at Katy building

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

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