## COLLEGE OF ENGINEERING

Bachelor of Science, Construction Engineering Four-Year Academic Map 2022-2023

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total
	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	
	MATH 2413	Calculus I*	4	MATH 2414	Calculus II*	4	
	GOVT 2305	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	INDE 3333	Engineering Economy	3	
	GOVT 2306	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 Hour	rs	16	Semester Hour	S	17	33
	Semester 1 Fall			Semester 2 Spring			Total
	CNE 3311	Construction Engineering Equipment & Methods	3	CNE 3301	Construction Safety Engineering	3	
	CNE 3311 CNE 3310		3			3	
R 3		Equipment & Methods Construction Scheduling		CNE 3301	Construction Safety Engineering  Construction Engineering		
	CNE 3310	Equipment & Methods Construction Scheduling Planning & Control	3	CNE 3301 CNE 3321	Construction Safety Engineering  Construction Engineering  Management  Legal Aspects of Construction	3	
	CNE 3310 CIVE 3332	Equipment & Methods Construction Scheduling Planning & Control Engineering Materials	3	CNE 3321 CNE 3322	Construction Safety Engineering  Construction Engineering  Management  Legal Aspects of Construction  Engineering	3	
YEAR 3	CIVE 3332 CIVE 3337	Equipment & Methods Construction Scheduling Planning & Control Engineering Materials Structural Analysis	3 3	CNE 3301  CNE 3321  CNE 3322  CNE 3333	Construction Safety Engineering  Construction Engineering  Management  Legal Aspects of Construction  Engineering  Building Information Modeling	3 3	
	CNE 3310  CIVE 3332  CIVE 3337  INDE 3330	Equipment & Methods Construction Scheduling Planning & Control Engineering Materials  Structural Analysis Financial & Cost Management Surveying	3 3 3 3	CNE 3301  CNE 3321  CNE 3322  CNE 3333	Construction Safety Engineering  Construction Engineering  Management  Legal Aspects of Construction  Engineering  Building Information Modeling  Construction Engineering Elective	3 3	33
	CNE 3310  CIVE 3332  CIVE 3337  INDE 3330  CIVE 3380	Equipment & Methods Construction Scheduling Planning & Control Engineering Materials  Structural Analysis Financial & Cost Management Surveying	3 3 3 3 3	CNE 3301  CNE 3321  CNE 3322  CNE 3333  CNE ELEC	Construction Safety Engineering  Construction Engineering  Management  Legal Aspects of Construction  Engineering  Building Information Modeling  Construction Engineering Elective	3 3 3	33 Total
	CIVE 3332 CIVE 3337 INDE 3330 CIVE 3380 Semester Hour	Equipment & Methods Construction Scheduling Planning & Control Engineering Materials  Structural Analysis Financial & Cost Management Surveying	3 3 3 3 3	CNE 3301 CNE 3321 CNE 3322 CNE 3333 CNE ELEC Semester Hour	Construction Safety Engineering  Construction Engineering  Management  Legal Aspects of Construction  Engineering  Building Information Modeling  Construction Engineering Elective	3 3 3	
YEAR	CIVE 3332 CIVE 3337 INDE 3330 CIVE 3380 Semester Hour	Equipment & Methods Construction Scheduling Planning & Control Engineering Materials  Structural Analysis Financial & Cost Management Surveying  FS  Fall	3 3 3 3 3 18	CNE 3301 CNE 3321 CNE 3322 CNE 3333 CNE ELEC Semester Hour	Construction Safety Engineering  Construction Engineering Management Legal Aspects of Construction Engineering Building Information Modeling Construction Engineering Elective  s  Spring Construction Engineering Design	3 3 3 3	
YEAR	CIVE 3332 CIVE 3337 INDE 3330 CIVE 3380 Semester Hour Semester 1 CIVE 4311	Equipment & Methods Construction Scheduling Planning & Control Engineering Materials  Structural Analysis Financial & Cost Management Surveying rs  Fall Professional Practice in Civil Engr Construction Engineering	3 3 3 3 18	CNE 3301 CNE 3321 CNE 3322 CNE 3333 CNE ELEC Semester Hour Semester 2 S	Construction Safety Engineering  Construction Engineering Management Legal Aspects of Construction Engineering Building Information Modeling Construction Engineering Elective  Spring Construction Engineering Design Project	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
YEAR	CNE 3310  CIVE 3332  CIVE 3337  INDE 3330  CIVE 3380  Semester Hour  Semester 1  CIVE 4311  CNE 4321	Equipment & Methods Construction Scheduling Planning & Control Engineering Materials  Structural Analysis Financial & Cost Management Surveying TS  Fall  Professional Practice in Civil Engr  Construction Engineering Estimating Construction Engineering	3 3 3 3 18	CNE 3301  CNE 3321  CNE 3322  CNE 3333  CNE ELEC  Semester Hour  Semester 2 S  CNE 4312  CNE ELEC	Construction Safety Engineering  Construction Engineering  Management  Legal Aspects of Construction Engineering Building Information Modeling  Construction Engineering Elective  Spring  Construction Engineering Design Project  Construction Engineering Elective	3 3 3 3 15	
	CNE 3310  CIVE 3332  CIVE 3337  INDE 3330  CIVE 3380  Semester Hour  Semester 1  CIVE 4311  CNE 4321  CNE ELEC	Equipment & Methods Construction Scheduling Planning & Control Engineering Materials  Structural Analysis Financial & Cost Management Surveying  TS  Fall  Professional Practice in Civil Engr  Construction Engineering Estimating Construction Engineering Elective	3 3 3 3 18	CNE 3301  CNE 3321  CNE 3322  CNE 3333  CNE ELEC  Semester Hour  Semester 2 S  CNE 4312  CNE ELEC  CNE ELEC	Construction Safety Engineering  Construction Engineering Management Legal Aspects of Construction Engineering Building Information Modeling Construction Engineering Elective  Spring Construction Engineering Design Project Construction Engineering Elective  Construction Engineering Elective	3 3 3 3 15	
YEAR	CNE 3310  CIVE 3332  CIVE 3337  INDE 3330  CIVE 3380  Semester Hour  Semester 1  CIVE 4311  CNE 4321  CNE ELEC  HIST 1301	Equipment & Methods Construction Scheduling Planning & Control Engineering Materials  Structural Analysis Financial & Cost Management Surveying  TS  Fall Professional Practice in Civil Engr  Construction Engineering Estimating Construction Engineering Elective The United States to 1877* Language, Philosophy & Culture*	3 3 3 3 18 3 3 3	CNE 3301  CNE 3321  CNE 3322  CNE 3333  CNE ELEC  Semester Hour  Semester 2 9  CNE 4312  CNE ELEC  CNE ELEC  HIST 1302	Construction Safety Engineering  Construction Engineering Management Legal Aspects of Construction Engineering Building Information Modeling Construction Engineering Elective  Spring Construction Engineering Design Project Construction Engineering Elective  Construction Engineering Elective  The United States Since 1877* Creative Arts*	3 3 3 3 3 3 3	

<sup>\*</sup>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.