



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	GOVT 2306	U.S. & TX Constitution/Politics*	3	
	ENGL 1301	First Year Writing I*	3	MATH 2414	Calculus II*	4	
	HIST 1376/1377	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
	ENGR 2406	Fundamentals of Digital Logic	4	ENGI 2304	Technical Communications*	3	
	MATH 2415	Calculus III	4	MATH 3321	Engineering Math	3	
	ECON 2302	Principles of Microeconomics *	3	ENGR 2405	Circuit Analysis	4	
	PHYS 2326	University Physics II	3	GOVT 2305	US Government: Congress, President, & Courts*	3	
	PHYS 2126	University Physics Laboratory II	1	CORE	Creative Arts*	3	
	HIST 1378/1379	The United States Since 1877*	3				
	Semester Hours			18	Semester Hours		16

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total
	CEA 3338	Microprocessor Systems	3	CEA 3311	Operating Systems for Engineers	3	
	CEA 3201	Computer Programming for Engineering	2	CEA 3312	Fundamentals of Computer Architecture	3	
	CEA 3302	Fundamentals of Software Engineering	3	CEA 3323	Data Structures & Algorithms	3	
	CEA 3337	Digital Signals and Systems	3	CEA 3421	Introduction to Control Systems	4	
	CORE	Language, Philosophy, & Culture*	3	INDE 2333	Engineering Statistics I	3	
	Semester Hours			14	Semester Hours		16

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total
	CEA 4321	Database Principles and Applications	3	CEA 4355	Engineering Data Analytics	3	
	CEA 4339	Engineering Applications of Graph Theory	3	CEA 4341	Pattern Recognition and Machine Learning	3	
	CEA 4335	Capstone Design I	3	CEA 4336	Capstone Design II	3	
	CEA 4422	Communications & Networking	4	ECE 4442	Robotics & Automation	4	
	CEA 4424	Embedded Computing & Internet of Things	4	ECE 4444	Intro to Cybersecurity	4	
	Semester Hours			17	Semester Hours		17
							130

*State of Texas Core Curriculum

All Major Courses (CEA, ECE and ENGI) will be taken out of the UH at Katy building
 Students should meet with their academic advisor to formulate their own plan.