

UH/HCC ENGINEERING ACADEMY

— at Katy —

Fall 2020 guidelines

Choose from 1 of the following 8 majors



An educational partnership between University of Houston and Houston Community College.

The University of Houston (UH) is proud to introduce its first Engineering Academy program, in partnership with Houston Community College (HCC), to the Greater Katy area!

Most transition programs require that students apply for admission to UH upon completing all academic requirements at the partner institution. The UH/HCC Engineering Academy is different in that students are co-enrolled at both institutions from the

moment they are accepted into the academy. UH/HCC Engineering Academy students are official UH Engineering Cougars from the very first day!

UH/HCC Engineering Academy students must be committed to a rigorous academic schedule including at least one math, one science, and one engineering course each long semester.



CONSTRUCTION
ENGINEERING



COMPUTER ENGINEERING
AND ANALYTICS



SYSTEMS
ENGINEERING



CIVIL
ENGINEERING



ELECTRICAL
ENGINEERING



COMPUTER
ENGINEERING



INDUSTRIAL
ENGINEERING



MECHANICAL
ENGINEERING

All 4 years of degree taught at UH at Katy

2 years of degree taught at UH at Katy, and 2 years of degree taught at UH main campus

PROGRAM BENEFITS

- **Co-enrollment:** UH at Katy and HCC Katy campus
(See reverse side for schedule example)
- **Access to student services,** activities and organizations at both institutions, including resources and amenities at University of Houston main campus;
- **Smaller class sizes** for all cohort math and science courses in a predetermined schedule provides more individualized educational support and student success;
- **Significantly lower tuition and fees.** Students pay per course and are charged by the institution through which it is offered.
- Engineering Academy students who earn a minimum 3.25 cumulative grade point average (CGPA) by the end of their second year at both HCC and UH and complete the required coursework will have **automatic admission to their first-choice engineering major at UH.**
- Students that apply early and are approved will have the benefit of **enrolling early for fall 2020 classes.**
- After meeting all academy requirements, which are designed to be completed in one or two years, students will **transition to the UH main or UH Katy** to complete their Bachelor's degree.

ACADEMY SCHEDULE EXAMPLE

This is a sample degree plan, based on common Engineering requirements. Degree plans may differ depending on the major. For example, Chemistry II is a required course in Year 1/Semester 2 for Civil and Mechanical Engineering, but not Electrical, Computer, or Industrial Engineering degree plans.

Check with an advisor for the most updated degree plan for each specific major path. Course offerings are subject to change.

YEAR 1 (32 HOURS)	SEMESTER 1 - FALL	MATH 2413	Calculus I	4	
		CHEM 1311	General Chemistry I	3	
		CHEM 1111	General Chemistry I Lab	1	
		ENGI 1100	Introduction to Engineering	1	
		ENGL 1301	English Composition I	3	
		EDUC 1300	Learning Framework	3	
		Semester Hours			15

YEAR 2 (35 HOURS)	SEMESTER 1 - FALL	MATH 2415	Calculus III	4	
		MATH 2318	Linear Algebra	3	
		PHYS 2326	University Physics II	3	
		PHYS 2126	Physics Laboratory II	1	
		XXXXXXXX	Engineering Major Course	3	
		CORE	See Core Requirements List	3	
		Semester Hours			17

Calculus Ready Academy students are ready for Calculus I (MATH 2413) and Chemistry I (CHEM 1311). However, options for Pre-Calculus ready students can be discussed with an Academic Advisor during the application process.

■ = CLASSES TAUGHT BY UH FACULTY

■ = CLASSES TAUGHT BY HCC FACULTY

SEMESTER 2 - SPRING	MATH 2414	Calculus II	4	
	PHYS 2325	University Physics I	3	
	PHYS 2125	Physics Laboratory I	1	
	ENGI 1331	Computing for Engineers	3	
	ENGL 1302	English Composition II	3	
	CORE	See Core Requirements List	3	
	Semester Hours			17

SEMESTER 2 - SPRING	MATH 2320	Differential Equations	3	
	XXXXXXXX	Engineering Major Course	3	
	ENGI 2304	Technical Communications	3	
	XXXXXXXX	Engineering Major Course	3	
	XXXXXXXX	Engineering Major Course	3	
	CORE	See Core Requirements List	3	
	Semester Hours			18

WHO SHOULD APPLY?

- High School or FTIC students that are Calculus ready, although options for Pre-Calculus students can be discussed with an Academic Advisor
- HCC and Current College Students that have a cumulative 3.0 GPA. GPA will include repeat courses.
- Students newly admitted to UH
- Students that are admissible to both UH and HCC Admissions criteria. Criteria can viewed online at: www.uh.edu/admissions/ (AND) www.hccs.edu/applying-and-paying/
- Students who have earned a Bachelor's degree or higher, or former UH students will not be considered.
- Students that are interested in earning a 4-year degree in Civil, Construction, Electrical, Computer, Computer Engineering and Analytics, Industrial, Mechanical or Systems Engineering.

APPLICATION PROCESS

Application Process will include a completed Apply Texas application to both UH and HCC, current transcripts, current test scores, and all university required documents.

TO LEARN MORE ABOUT ADMISSION CRITERIA, VISIT:

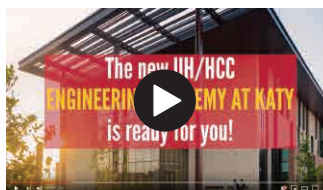
www.egr.uh.edu/engineering-academies/hcc

SCHOLARSHIPS & FINANCIAL AID ARE ONLY AVAILABLE THROUGH HCC:

www.hccs.edu/applying-and-paying/financial-aid/scholarships/

APPLY TODAY AT: www.hccs.edu/engineering-uh

Questions? Email: hcc.uhengrademy@hccs.edu



CHECK OUT THE UH KATY CAMPUS ON OUR YOUTUBE CHANNEL AND OTHER SOCIAL MEDIA:



@UHEngineering