

UH/HCC ENGINEERING

— Academies —



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

The University of Houston (UH) is proud to announce the expansion of our Engineering Academy program, in partnership with Houston Community College (HCC)! Students can now apply for one of two unique UH/HCC Engineering Academies:

- **UH/HCC Engineering Academy at Katy** – I10/Hwy 99 – 22400 Grand Circle Blvd., Katy, Texas 77449
- **UH/HCC Engineering Academy at Fraga Eastside**– one mile east of Downtown Houston at the HCC Felix Fraga Campus– 301 N. Drennan, Houston, Texas 77003

UH/HCC Engineering Academy students are co-enrolled at both institutions from the moment they are accepted into the Academy.

Core curriculum courses will be completed through HCC while the engineering courses will be taken from the UH Cullen College of Engineering faculty either at UH at Katy or HCC Fraga Eastside, depending on which academy the student enrolls in. UH/HCC Engineering Academy students are official UH Engineering Cougars from the very first day!



**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 your chosen UH/HCC Engineering Academy (Katy or Fraga Eastside), then transition to the UH main campus for your **final 2 years**

PROGRAM BENEFITS

- **Co-enrollment:** UH and HCC – course locations depend on which academy the student enrolls in. (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;
- **Potential for 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.**
- After meeting all academy requirements, which are designed to be completed in one or two years, students will **transition to the UH main campus or UH at 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 be 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

The application process will include a completed Apply Texas application to both UH and HCC, and a completed application to the UH/HCC Engineering Academy with 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.uhengracademy@hccs.edu



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

    @UHEngineering