



# ENGINEERING ACADEMY

at Katy | at Fraga Eastside



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

## UH/HCC ENGINEERING ACADEMY

The University of Houston (UH) Engineering Academy is a unique partnership with Houston Community College (HCC). Students are co-enrolled at both institutions, taking core curriculum courses through HCC while taking engineering courses from Cullen College of Engineering faculty. After completing all academic requirements, students then transition to UH to complete their bachelor's degree.

Students can apply to either of our current locations:



**Engineering Academy at Katy**  
22400 Grand Circle Blvd, Katy TX 77449



**Engineering Academy at Fraga Eastside**  
301 N. Drennan, Houston, TX 77003

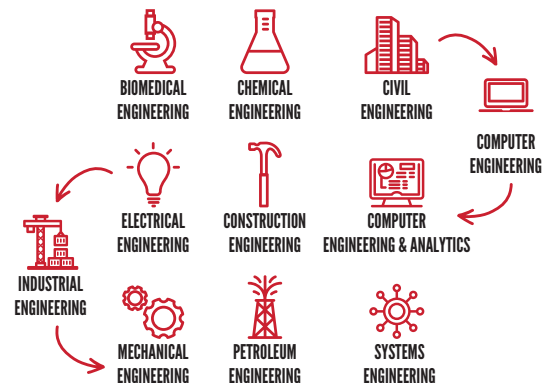
**APPLY NOW**









[www.hccs.edu/engineering-uh](http://www.hccs.edu/engineering-uh)

## AVAILABLE MAJORS

- Academy students can choose from any of the Cullen College's 11 Engineering Majors
  - Computer Engineering & Analytics, Construction Engineering, and Systems Engineering:** Students will complete all four years of engineering coursework at UH at Katy.
  - Biomedical, Chemical, and Petroleum Engineering:** Students will be required to transition after one year to maintain proper course sequence.



## PROGRAM BENEFITS

-  **Co-enrollment:** Participants are both UH and HCC students with access to **resources at both campuses**
-  Students are charged by the institution through which the course is offered which can lead to **lower tuition and fees**
-  **Smaller class size for all cohort-based STEM courses** provide more individualized support and student success
-  **Reverse transfer** UH credits to earn an Associate of Science in Engineering Sciences (ASES) from HCC
-  The Academy provides an **opportunity for students who test into Pre-Calculus** as well as Calculus
-  **Transition NOT Transfer:** After meeting Academy requirements students move seamlessly into UH without the need to reapply

## ACADEMY SCHEDULE

This is a sample course schedule based on common Engineering requirements. Academic plans may differ depending on the major and prior coursework completed. Check with an advisor for the most updated degree plan for each specific major. Academy course requirements are designed to be completed in one year. The Academy also offers some second-year courses.

■ = CLASSES TAUGHT BY UH FACULTY

■ = CLASSES TAUGHT BY HCC FACULTY

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
		<span style="color: red;">ENGI 1100</span>	<span style="color: red;">Introduction to Engineering</span>	<span style="color: red;">1</span>
		ENGL 1301	English Composition I	3
		CORE	See Core Requirements List	3
		Semester Hours		15

SEMESTER 2 - SPRING	MATH 2414	Calculus II	4
	PHYS 2325	University Physics I	3
	PHYS 2125	Physics Laboratory I	1
	<span style="color: red;">ENGI 1331</span>	<span style="color: red;">Computing for Engineers</span>	<span style="color: red;">3</span>
	ENGL 1302	English Composition II	3
	CORE	See Core Requirements List	3
	Semester Hours		17

## WHO SHOULD APPLY?

- High school or first-time-in-college students who meet general admission requirements for UH
- or
- Current college students who meet general admission requirements for UH and have not started Engineering coursework.

University of Houston Admissions requirements can be found at [www.uh.edu/admissions](http://www.uh.edu/admissions)

- Students interested in earning a 4-year degree from the Cullen College of Engineering at UH
- Students who are Calculus-ready, though we have options for those who test into Pre-Calculus.

*Please note: The UH/HCC Engineering Academy is not open to students who have earned a Bachelor's Degree or to former UH students.*

## MATH PLACEMENT

Here are the ways that we determine math readiness:

Assessment Method	Calculus I (MATH 2413)
SAT Math Score	620 or higher
ACT Math Score	27 or higher
College - level course	Pre-Calculus (MATH 2412)
AP Calculus	AB (Score 4); BC (Score 3)
HCC Math Placement	285-300

## APPLICATION PROCESS

- Apply to Houston Community College
  - Steps and requirements available at [www.hccs.edu/applying-and-paying/](http://www.hccs.edu/applying-and-paying/)
- Apply to the UH/HCC Engineering Academy
  - Application available at [www.hccs.edu/engineering-uh](http://www.hccs.edu/engineering-uh)
  - Upload required documents including proof of Calculus readiness
- Apply to the University of Houston and meet general admissions requirements.
  - Complete through ApplyTexas or the Common Application
  - University of Houston Admissions requirements can be found at [www.uh.edu/admissions](http://www.uh.edu/admissions)

## ALUMNI PROFILE



**Axel Palacios | Mechanical Engineering – Class of 2024 Birthplace: Mexico City, Mexico**

*"The UH/HCC Engineering Academy gave me invaluable connections with UH faculty, thanks to the smaller class sizes. One professor even helped me secure a sophomore year internship, which turned into a long-term, part-time job. After completing the Academy, I joined SHPE, which led to a job offer from John Deere at the national convention. I'm now working in Power Systems at John Deere, pursuing my passion for engines."*

Learn more about Academy admission:

[www.egr.uh.edu/engineering-academies](http://www.egr.uh.edu/engineering-academies)

Scholarships & Financial Aid are only available through HCC:

[www.hccs.edu/applying-and-paying/financial-aid/](http://www.hccs.edu/applying-and-paying/financial-aid/)

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