WHAT IS CONSTRUCTION ENGINEERING?

The BS in Construction Engineering program combines civil engineering and business principles to produce graduates who can design and manage the construction processes that create and rehabilitate the public infrastructure. This includes design and construction of commercial buildings, airports, dams, roads, utilities, bridges, residential communities and schools.

CAREERS IN CONSTRUCTION ENGINEERING

Employment opportunities for construction engineers are available in both the private and public sectors. Main responsibilities for this career track include on-site management and observation of construction projects, and fostering strong business-client relationships to ensure these projects are completed meeting budget and timeline requirements.

According to a 2022 salary survey produced by Payscale.com, a construction engineer can expect to earn a starting salary of $70,412, with that climbing closer to $80,000 after a few years of accrued experience.

WHY EARN YOUR CONSTRUCTION ENGINEERING DEGREE AT THE UNIVERSITY OF HOUSTON?

ACADEMICS

The construction engineering undergraduate degree program is a part of the Department of Civil and Environmental Engineering. Construction engineering undergraduates will take all of their major coursework at UH at Katy, located near the Grand Parkway & I-10, in Katy, Texas.

Overall, expect this program to be rigorous and hands-on. Luckily, this department has one of the most loyal and active alumni bases in the entire college, with graduates employed in top positions throughout the region – so landing your dream job, internship, co-op or fellowship shouldn’t be too difficult!

RESEARCH

The civil & environmental engineering department at the University of Houston Cullen College of Engineering is well-known for its research, and faculty in the department have expertise in environmental engineering, geotechnical and materials engineering, structural engineering, oceans and water resources engineering and geosensing systems engineering. The civil and environmental engineering department is also home to the NSF-funded National Center for Airborne Laser Mapping (NCALM). Undergraduate students have the opportunity to become involved in the fascinating research being conducted by faculty members and graduate students in the department.

Learn more at www.cive.uh.edu/research/overview

STUDENT ORGANIZATIONS

Students are encouraged to join academic and professional organizations to build leadership, communication and networking skills. Members of student organizations receive career guidance from engineering professionals and participate in activities that promote engineering.

The civil and environmental engineering department has student chapters of the American Society of Civil Engineers (ASCE) and American Concrete Institute (ACI). The UH ASCE chapter is very active and its members are engaged in the Texas/Mexico Regional Concrete Canoe Competition and the Daniel W. Mead Ethics Paper Competition each year.

Learn more at www.cive.uh.edu/programs/undergraduate/student-activities

ABOUT UH AT KATY

The UH at Katy instructional site is an official part of the UH central campus. Completed in Fall 2019, the three-story, 80,000-square-foot-facility houses numerous programs from the UH Cullen College of Engineering, and is home to the prestigious Subsea Engineering graduate program— the first of its kind in the nation. Computer Engineering & Analytics, Systems Engineering and Construction Engineering are exclusively offered at UH at Katy.

UH at Katy is also one of the sites of the UH/HCC Engineering Academy. The UH/HCC Engineering Academy is a partnership with Houston Community College (HCC) where students are co-enrolled at both institutions. Students who are interested in computer engineering and analytics, systems or construction engineering and would like to complete all four years of their degree in the Greater Katy Area, may want to consider the cost-effective opportunities that the UH/HCC Engineering Academy has to offer. UH at Katy is located near the Grand Parkway & I-10, in Katy, Texas.

Learn more at https://www.egr.uh.edu/engineering-academies/hcc

CEE FAST FACTS

328 Total Undergrad Students in Department
146 Total Faculty in Cullen College
$70,412 Average Salary
22:1 Student-to-Faculty Ratio Across the University

UNIVERSITY of HOUSTON | ENGINEERING
# Bachelor of Science in Construction Engineering - Four-Year Academic Map 2022-2023

## Year 1

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<th>Semester 1</th>
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Semester Hours: 16

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Semester Hours: 18

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Semester Hours: 15

TOTAL SEMESTER HOURS: 128

*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.

## For More Information

UH Department of Civil and Environmental Engineering: www.cive.uh.edu
Undergraduate Program: www.cive.uh.edu/programs/undergraduate | Email: civil@egr.uh.edu

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