GRADUATE PROGRAMS

The University of Houston Cullen College of Engineering offers advanced degrees through 14 graduate programs. Our graduate program in Chemical Engineering is ranked in the Top 20 nationally by the National Research Council. The Cullen College also offers certificate programs in Subsea Engineering and Chemical Engineering.

Prospective graduate students can read our Graduate Viewbook, request more information and learn more about how to engineer the future at the UH Cullen College at our prospective student website!

Admission to Graduate Programs

- Graduate Program Admission
- Engineering Graduate Degrees Offered
- Departmental Academic Advisors and Contacts

Graduate Academic Policies

- Graduate Academic Policies and Procedures
- Graduate Tuition Fellowships (GTF)
- Steps for Graduate Engineering Students Applying for OPT (PDF file)

Online Programs

UH Engineering offers online master’s programs in:

- Mechanical Engineering
- Civil Engineering
- Subsea Engineering
- Industrial Power Systems

UH Engineering offers an online certificate program in subsea engineering.

To learn more about all of the online learning programs available at UH Engineering, please visit onlinelearning.egr.uh.edu.

Graduate Programs
AEROSPACE ENGINEERING
The Aerospace Engineering Program provides graduate education covering topics such as aerodynamics and heat transfer, structural mechanics and materials, and controls and automation. A dual degree in aerospace engineering and space architecture is also available.

Graduate Program
Aerospace/Space Architecture Dual Degree
Information Sheet

BIOMEDICAL ENGINEERING
Graduate studies in Biomedical Engineering includes topics such as neural, cognitive and rehabilitation engineering; biomedical imaging; and genomics, proteomics and bionano engineering science.

Graduate Program
Information Sheet

CHEMICAL ENGINEERING
Graduate studies in ChBE includes study in biomolecular engineering, nanomaterials, environmental reaction engineering, energy engineering, engineering design, and transport and separation processes.

Graduate Program
Information Sheet

CIVIL ENGINEERING
Graduate studies in Civil Engineering includes study in geotechnical engineering, hydrosystems engineering, structural engineering, and water resources engineering.

Graduate Program
Information Sheet

COMPUTER & SYSTEMS ENGINEERING
Graduate studies in computer and systems engineering includes two options: computer engineering and computer controlled systems.

Graduate Program
Information Sheet

ELECTRICAL ENGINEERING
Graduate studies in electrical engineering offers study in control and power systems, electromagnetics and microelectronics, electronics and computers, and signals and communications.

Graduate Program
Information Sheet
ENVIRONMENTAL ENGINEERING
The Environmental Engineering Program offers study in areas such as water, wastewater, microbiology, bioremediation, soil and hazardous waste treatment and modeling, and airborne particulates.
Graduate Program
Information Sheet

GEOSENSING SYSTEMS ENGINEERING
Visit the Geosensing Systems Engineering Graduate Program page for more information.
Graduate Program
Information Sheet

INDUSTRIAL ENGINEERING
Graduate study in Industrial Engineering includes areas such as engineering management, manufacturing and production systems, operations research, distribution and logistics, and ergonomics, human factors and occupational safety.
Graduate Program
Information Sheet

MATERIALS SCIENCE & ENGINEERING
The Materials Science and Engineering Program offers study in the areas of metallic alloys, polymers, ceramics and composites for advanced mechanical/aerospace engineering applications, and electronic and superconducting ceramics.
Graduate Program
Information Sheet

MECHANICAL ENGINEERING
Graduate study in mechanical engineering includes study in applied mechanics, control of dynamical systems, materials science, thermal and fluid sciences, and biomedical engineering.
Graduate Program
Information Sheet

PETROLEUM ENGINEERING
Graduate study in petroleum engineering has a broad upstream emphasis on drilling, formation evaluation (petrophysics), production, and reservoir engineering taught by industry professionals.
Graduate Program
Information Sheet
SPACE ARCHITECTURE - SICSA

The Sasakawa International Center for Space Architecture (SICSA) brings more than 30 years of internationally recognized experience in habitat research, planning and design for space and extreme terrestrial environments. A dual degree in space architecture and aerospace engineering is also available.

Graduate Program
Aerospace/Space Architecture
Dual Degree

SUBSEA ENGINEERING

The nation’s first subsea engineering graduate program offers an engineering science-based curriculum that provides the scientific and technical skills necessary to create the first generation of trained subsea engineering specialists.

Graduate Program
Information Sheet

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Links:
[1] https://www.egr.uh.edu/academics/graduate-programs
[4] https://www.egr.uh.edu/students
[5] https://www.egr.uh.edu/academics/graduate-programs-policies/admissions
[6] https://www.egr.uh.edu/academics/graduate-programs/programs
[8] https://www.egr.uh.edu/graduate-programs-policies
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