Graduate Program Overview

The Graduate Program in Mechanical Engineering provides our students with an educational experience grounded in the engineering sciences and focused on producing a professional capable of systematically applying those sciences to solve real-world problems.

Our program encompasses advanced study and research in the areas of applied mechanics, control of dynamical systems, materials science, thermal and fluid sciences, and biomedical engineering. We are also home to the college’s interdisciplinary programs in Aerospace Engineering and Space Architecture. Degree programs include:

- the Doctor of Philosophy in Mechanical Engineering.
- the Master of Science (thesis and non-thesis programs) in Mechanical Engineering, Aerospace Engineering and Space Architecture.
- the Master of Science in Subsea Engineering.
- the Dual Master Degree in Mechanical and Aerospace Engineering

The dual degree program allows students to obtain both a master’s degree in Mechanical Engineering and a master’s degree in Aerospace Engineering completing 45 credit hours of relevant graduate coursework.

Qualified applicants should have backgrounds in engineering, mathematics, and the physical sciences. Part-time graduate study is encouraged, and several of our graduate courses are offered as evening classes (4:00 PM and later). Detailed information regarding the requirements for thesis program can be found on accompanying pages.
Accelerated Master Fellowships available for UH Mechanical Engineering undergraduate students!

The Accelerated Masters Fellowship (AMF), established in Fall 2016, is intended to encourage qualified graduating students with a Bachelors degree from the Cullen College of Engineering to pursue a Masters degree and gain cutting-edge expertise and skills that enable them to more easily secure leadership positions in industry, government, consulting, and the private sector. Students who are awarded this fellowship can complete up to 6 semester hours in their undergraduate degrees towards the Master’s degree thus graduating with an M.S. in two long semesters.

Admissions scholarships available for incoming International students!

Receiving this scholarship qualifies international and out-of-state students for a waiver of the non-resident portion of their tuition for the semesters in which they receive the award.

Download Program Information

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