WHAT IS MECHANICAL ENGINEERING?

Mechanical engineers are the jacks-of-all-trades within the engineering profession. Just about everything you can think of involves a mechanical process, and anything with a mechanical process is the business of a mechanical engineer. These engineers work in nearly every industry you can imagine, addressing problems in such areas as energy conversion, aerospace, design of mechanical components and systems, man and machine environments, instrumentation and control of processes, product reliability and safety, materials and polymers.
WHY THE UNIVERSITY OF HOUSTON?

The graduate program in mechanical engineering provides 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. The mechanical engineering graduate 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. Graduate students are taught by the world’s leading mechanical engineering researchers and are prepared to take on leadership positions in industry, government or academia in the Houston region and beyond.

WHAT CAN I DO WITH A MECHANICAL ENGINEERING GRADUATE DEGREE?

Career opportunities in mechanical engineering are excellent, especially in the city of Houston, the Energy Capital of the World. Alumni of the graduate program in mechanical engineering can be found in leadership positions in a variety of different fields throughout the Houston area and around the world.

A 2019 salary survey produced by PayScale.com found that new mechanical engineering graduates earn an average starting salary of $61,158. National Occupational Employment and Wage Estimates from 2018 show mechanical engineers earned a mean annual salary of $92,800.

WHAT TYPES OF GRADUATE DEGREES DO YOU OFFER IN MECHANICAL ENGINEERING?

The UH Cullen College of Engineering offers M.S. non-thesis, M.S. thesis and Ph.D. degrees in mechanical engineering, as well as a dual M.S. degree in mechanical engineering and subsea engineering.

FAST FACTS

- Total Graduate Students in Department: 171
- M.S. Total Faculty in College: 139
- Ph.D. $30M+ in Research Expenditures
- Average Starting Salary: $61,158
- Average Annual Salary: $92,800

FOR MORE INFORMATION

For more information on eligibility and admissions requirements, please visit www.me.uh.edu/graduate-program/overview