

# MECHANICAL ENGINEERING

ME.UH.EDU

ENGINEERING  
THE MECHANICS  
OF OUR WORLD

UNIVERSITY of HOUSTON | ENGINEERING

# 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.

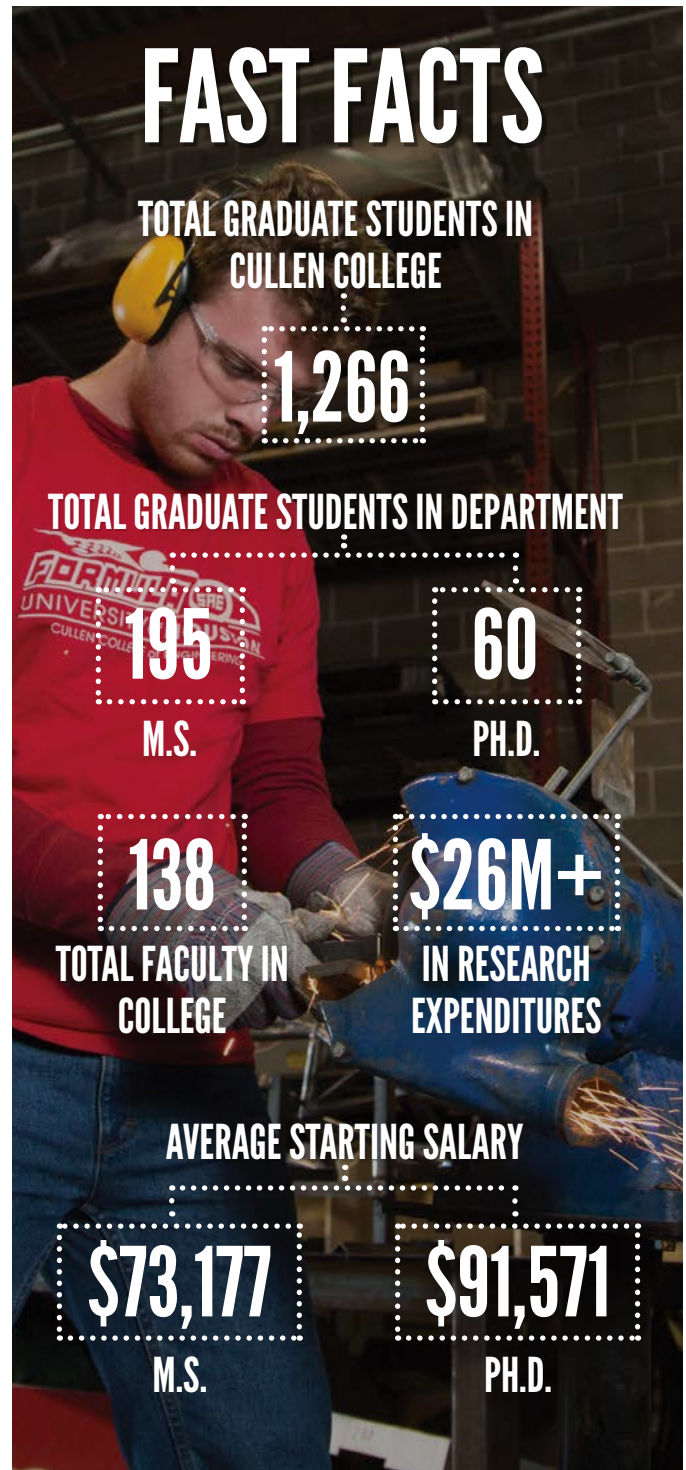
# WHAT CAN I DO WITH A MECHANICAL ENGINEERING GRADUATE DEGREE?

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 2017 salary survey produced by the National Association of Colleges and Employers found that new graduates with an M.S. in mechanical engineering earn an average starting salary of \$73,177, with new Ph.D. graduates earning \$91,571.

# 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. Students have the option of taking some mechanical engineering graduate courses online.



# FAST FACTS

- TOTAL GRADUATE STUDENTS IN CULLEN COLLEGE: 1,266
- TOTAL GRADUATE STUDENTS IN DEPARTMENT: 195 M.S. and 60 PH.D.
- TOTAL FACULTY IN COLLEGE: 138
- IN RESEARCH EXPENDITURES: \$26M+
- AVERAGE STARTING SALARY: \$73,177 M.S. and \$91,571 PH.D.

## FOR MORE INFORMATION

For more information on eligibility and admissions requirements, please visit [www.me.uh.edu/graduate-program/overview](http://www.me.uh.edu/graduate-program/overview)