

# AEROSPACE ENGINEERING

[AEROSPACE.EGR.UH.EDU](http://AEROSPACE.EGR.UH.EDU)

A detailed image of a Space Shuttle launching, viewed from a low angle. The shuttle is white with orange external tank and white boosters. It is ascending diagonally against a blue sky with wispy clouds. Bright flames and white smoke trails from the engines are visible at the bottom of the shuttle.

REACHING  
FOR THE STARS

UNIVERSITY of HOUSTON | ENGINEERING

## WHAT IS AEROSPACE ENGINEERING?

Aerospace engineers invent, design and build the technologies, processes and prototypes required for aviation. These include aircrafts, spacecraft, satellites, missiles, power and energy systems, as well as electronic systems and software for airplanes and spacecraft.

## WHY THE UNIVERSITY OF HOUSTON?

Students in the interdisciplinary aerospace engineering program are trained to understand full systems involved in aerospace engineering, from aerodynamics and materials to space physics and human factors. The city of Houston, also known as Space City, is recognized internationally for the strength of its aerospace companies and its proximity to the NASA Johnson Space Center (JSC). Aerospace engineering students often work full-time, part-time or internship-based positions at NASA JSC and other aerospace companies while pursuing their degree at UH. Graduates of the program exceed the expectations of employers in the aerospace industry and can be found in leadership positions throughout the Houston region and beyond.

## WHAT CAN I DO WITH AN AEROSPACE ENGINEERING GRADUATE DEGREE?

**Smart Materials:** Explore new smart materials for building aircrafts and spacecraft.

**Advanced Propulsion:** Design more environmentally friendly hybrid jet-fuel electric systems for launching aircrafts and spacecraft.

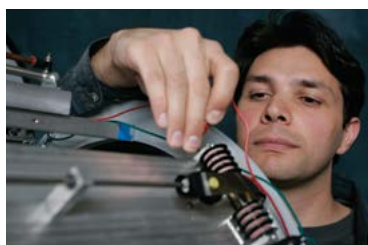
**Commercial Space Industry:** Lead the race to space by working with private aerospace companies who are developing new spacecraft, vehicles and systems for human space flight, space tourism and research.

**Unmanned Aerial Vehicles (UAVs):** Work at the cutting-edge of aviation and fly an aircraft without leaving your desk! Help develop UAVs for scientific research, national security, weather monitoring and much more.

A 2017 salary survey produced by the National Association of Colleges and Employers (NACE) found that new graduates with an M.S. in aerospace engineering earn an average starting salary of \$72,804.

## WHAT TYPES OF GRADUATE DEGREES DO YOU OFFER IN AEROSPACE ENGINEERING?

The UH Cullen College of Engineering offers M.S. thesis and non-thesis degrees in aerospace engineering.



## FAST FACTS

TOTAL GRADUATE STUDENTS IN  
CULLEN COLLEGE

1,266

TOTAL GRADUATE STUDENTS IN DEPARTMENT

13

M.S. STUDENTS

138

TOTAL FACULTY IN  
COLLEGE

\$26M+

IN RESEARCH  
EXPENDITURES

AVERAGE STARTING SALARY

\$72,804

M.S. IN AEROSPACE

## FOR MORE INFORMATION

For more information on eligibility and admissions requirements, please visit [aerospace.egr.uh.edu/graduate-program/program-description](https://aerospace.egr.uh.edu/graduate-program/program-description)