

AEROSPACE ENGINEERING

AEROSPACE.EGR.UH.EDU

A detailed image of the Space Shuttle Columbia in the process of launching. The shuttle is oriented diagonally, moving from the bottom left towards the top right. It is surrounded by a massive, bright plume of fire and white smoke from its engines, which is the most prominent feature of the image. The background is a clear blue sky with some wispy clouds near the bottom. The shuttle's white orbiter is attached to a white external tank and two white solid rocket boosters. The nose cone is orange. The engines at the bottom are firing, creating a large, bright, yellow and white plume of exhaust.

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.

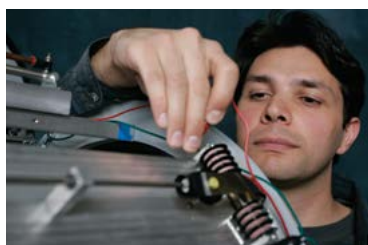
Commercial Space Industry: Lead the race to space by working with private aerospace companies who are developing new spacecraft, vehicles and systems for human space flight, space tourism and research.

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 2016 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 \$72,887.

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

1,247

TOTAL GRADUATE STUDENTS IN DEPARTMENT

13

M.S. STUDENTS

129

TOTAL FACULTY IN
COLLEGE

\$26M+

IN RESEARCH
EXPENDITURES

AVERAGE STARTING SALARY

\$72,886

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