Overview

Welcome to Aerospace Engineering at the University of Houston! The Houston area is nationally and internationally recognized for the strength of its aerospace related activity due to the presence of NASA Johnson Space Center and the multiple aerospace-related industry and companies in the area. The Aerospace Engineering Program at UH provides graduate education in aerospace engineering to those interested to acquire advanced knowledge, conduct research and pursue advanced careers in the field. This is an interdisciplinary program taught by faculty in the Mechanical Engineering Department with assistance from other colleges and departments. It offers the Master of Science (M.S.) degree (with a thesis of non-thesis option).

Areas of coursework and research concentration include:

- Aerodynamics and Heat Transfer
- Structural Mechanics and Materials, and
- Controls and Automation.

However, to expand their knowledge base, students in the program can attend elective courses in other areas, such as, Mathematics, Space Physics, Computer Science, Telecommunications, Human Factors, Systems Engineering, and others. Thesis and dissertation topics span as wide area of aerospace engineering, including, modeling and simulation of aerospace systems, structural dynamics and vibration isolation, system health monitoring, space automation and control, heat transfer and thermo-fluid systems, materials for aeronautical and space applications, aerodynamics, and others.

Program Leadership

Dr. Karolos Grigoriadis
Director and Chair of the Aerospace Executive Board
Office Location: W212 Engineering Building 2
Phone: 713-743-4387
E-mail: karolos [at]uh [dot] edu
Program Administration

The graduate program in Aerospace Engineering at the University of Houston is an interdisciplinary program in which the Master of Science (M.S) degree is offered. This program is designed for those with undergraduate engineering and science degrees who wish to further their education for a career in the aerospace field. The program is administered by the Cullen College of Engineering and is taught primarily by faculty from Mechanical Engineering with assistance from Electrical and Industrial Engineering.

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