M.S. in Aerospace Engineering

Introduction

The Master of Science in Aerospace Engineering (MSASE) provides formal advanced study, preparing students for careers in the aerospace industry and in research and development. Students can select the thesis option or the non-thesis option. The degree program is planned to augment the individual student's engineering and science background with adequate depth in areas of computational fluid dynamics, aeroacoustic modeling, rotorcraft aerodynamics, flow control, Propulsion design and analysis, heat transfer, air-breathing hypersonic and rocket propulsion, autonomous uncrewed air and ground vehicles, aircraft and spacecraft guidance, navigation and control, aeroelasticity, composites, nanomaterials, smart materials, structural health monitoring, computational structural mechanics, and design optimization, as well as other topics in aerospace engineering. Candidates for the program can select courses that prepare them for the aerospace engineering profession or that prepare them to continue on to doctoral studies.

The degree program requires a minimum of 30 credit hours of graduate-level work.

Admissions Criteria