

Supplementary Coursework Requirements for M.Sc. Applicants without an Aerospace Engineering Background

Applicants seeking admission to the Master of Science in Aerospace Engineering who do not hold a bachelor's degree in Aerospace Engineering or a closely related discipline may be required to complete supplementary undergraduate coursework. These requirements are intended to ensure adequate preparation for graduate-level study in the chosen field.

Students will select one of two tracks upon admission: **Aeronautics** or **Astronautics**. The course options are listed below:

SUPPLEMENTARY COURSEWORK REQUIREMENTS

COMMON COURSES (ALL STUDENTS)			
Course			Credits
Incompressible Aerodynamics	00840311		3.5
Compressible Flow, Inlets, and Nozzles	00840312		2.5
Introduction to Theory of Elasticity	00840515		2.5
Control Theory	00840738		3.0
Exposure to Research Seminar	00850000		1.0

AERONAUTICS TRACK			ASTRONAUTICS TRACK		
Course		Credits	Course		Credits
Flight Mechanics 1	00840220	2.5	Fundamentals of Space Engineering	00840913	2.5
Flight Mechanics 2	00840221	2.5	Mechanics of Bodies in Space	00850915	3.5
<i>One of the following:</i>			<i>One of the following:</i>		
Jet Engines	00850407	2.5	Rocket Propulsion	00850406	2.5
Rocket Propulsion	00850406	2.5	Electric Propulsion	00850920	2.5