Aerospace Engineering Minor

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About:

Offered through the Department of Mechanical Engineering, the Aerospace Engineering minor is open to all engineering students who satisfy the prerequisites for the list of required courses.

This minor is open to all students who complete the required prerequisites.

Requirements:

The minor requires the successful completion of 10 courses (30 credits), seven of which are required, two of which are elective courses and one technical elective course from the major.

Program: Engineering
Type: Minor

Required Courses:

Course	Title	Credits
ME 2100	Statics	3
ME 2101	Dynamic Systems I	3
ME 2103	Mechanics of Materials	3
ME 3100	Thermodynamics	3
ME 3600	Fluid Mechanics	3
ME 5101	Elements of Aerodynamics	3
ME 5206	Aircraft Design	3

Elective Courses:

Electives are subject to change. Electives may be added to this list at the discretion of the College of Engineering.

Select two courses from the list below:

Course	Title	Credits
ME 5000	Selected Topics in ME	3
ME 5102	Compressible Fluid Flow	3
	ME 5201 or ME 7040	3
ME 5205	Flight Dynamics	3
ME 5207	Orbital Mechanics	3
ME 7038	Intro-Computational Fluid Mech	3
ME 7070	Aero Vehicle Struc Analy & Des	3
ME 7501	Reinforced Comp Materials	3
ME 7502	Fiber Composite Structures	3

One Technical Elective from the Major:

ME students pursuing the minor in Aerospace Engineering are required to take an additional ME/ Concentration elective for their BSME degree for a total of five technical electives.

Non-ME students pursuing the minor in Aerospace Engineering can satisfy this requirement by a technical elective from their respective major.

Category Descriptions

ME 5201 or ME 7040

Credits: 3

Choose either ME 5201 ***OR*** ME 7040.

Course	Title	Credits
ME 5201	Intro to Finite Elements	3
ME 7040	Intro to Fin Element Analysis	3