

Aerospace Engineering Minor Course List

Only prerequisite courses marked with an * can be taken concurrently. All others must be completed before registering for the course.

Course	Prerequisites	Semester Typically Offered
ME 102: Introduction to Aerospace Engineering	None	Fall
ME 205: Advanced Mechanical Design	ME 204	Spring
ME 227: Introduction to Aerodynamic	ME 225	Spring
ME 246: Aerospace Structures	ME 226	Spring (Starts 2026)
ME 214: Advanced Dynamics	ME 121	Fall
ME 231: Feedback Control of Dynamic Systems	ME 213	Spring
ME 232: Opto-mechanical Design	None	Spring
ME 204: Mechanical Design	ME 226, Senior Status	Spring
ME 213: Mechanical Systems and Vibrations	ME 121, ME 226, and MATH 166	Fall
ME 222: Introduction to Robust Design and Quality Engineering	Junior or higher status in an engineering or science major or minor, or permission of the instructor.	Spring
ME 225: Introduction to Fluid Dynamics	MATH 164, MATH 156, PHY 121, and ME 120	Fall
ME 226: Introduction to Solid Mechanics	ME 120	Spring
ME 254: Finite Element Methods	ME 226	Fall
CHE 268: Fundamentals of Computational Fluid Dynamics	None	Fall
ME 280: Materials Science	ME 226 and PHY 122	Fall
ME 436: Compressible Flow	None	Spring
ME 437: Incompressible Flow	None	Fall
ME 439: Turbulence	None	Fall
ME 440: Mechanics of Structures	ME 226, ME 213*	Spring
ME 444: Continuum Mechanics	None	Spring
ME 449: Elasticity	None	Fall
ME 459: Applied Finite Elements	ME 226	
ME 481: Mechanical Properties of Solids	None	