

# AEROSPACE ENGINEERING MINOR

A student may obtain a minor in aerospace engineering by completing at least 18 credit hours consisting of three core courses and three approved elective courses.

## Minor Requirements (18 Hours)

Course	Title	Credits
<b>Core Aerospace Courses</b>		<b>9</b>
Select three of the following:		
AESP 265	Aerodynamics I Incompressible Flow	
AESP 420	Flight and Orbital Mechanics	
AESP 350	Aerospace Systems	
AESP 314	Energy Power and Propulsion	
AESP 466	Flight Dynamics and Control	
<b>Elective Aerospace Courses</b>		<b>9</b>
Select at least three additional courses from the following list. <sup>1</sup>		
AESP 265	Aerodynamics I Incompressible Flow	
AESP 420	Flight and Orbital Mechanics	
AESP 350	Aerospace Systems	
AESP 314	Energy Power and Propulsion	
AESP 466	Flight Dynamics and Control	
EMCH 508	Finite Element Analysis in Mechanical Engineering	
EMCH 516	Control Theory in Mechanical Engineering	
EMCH 522	Design for Manufacture and Assembly	
EMCH 532	Intermediate Dynamics	
EMCH 544	Compressible Fluid Flow	
EMCH 554	Intermediate Heat Transfer	
EMCH 560	Intermediate Fluid Mechanics	
EMCH 571	Mechanical Behavior of Materials	
EMCH 575	Adaptive Materials and Smart Structures	
EMCH 577	Aerospace Structures I	
EMCH 578	Introduction to Aerodynamics	
EMCH 584	Advanced Mechanics of Materials	
EMCH 585	Introduction to Composite Materials	
EMCH 592	Introduction to Combustion	
<b>Total Credit Hours</b>		<b>18</b>

<sup>1</sup> No course may be used to satisfy both core and elective requirements.