

Space and Aeronautical Engineering, M.S.

This degree requires a minimum of 30 semester credit hours.

Code	Title	Semester Credit Hours
Core Requirements		
MEEN 5337	Engin Analysis in Applied Mech	3
SAEN 5380	Adv Aerospace Struct Design	3
SAEN 5381	Advanced Aerodynamics	3
SAEN 5382	Aerospace Dynamics and Control	3
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Thesis Requirement		
SAEN 5306	Thesis	3
SAEN 5306	Thesis	3
Approved Electives *		9
MEEN 5314	Finite Element Methods in Engi	
MEEN 5316	Mechanics Composite Materials	
MEEN 5320	Theory of Elasticity	
MEEN 5321	Advanced Fluid Mechanics	
MEEN 5322	Turbulent Flow	
MEEN 5326	Control Systems Engineering	
MEEN 5330	Continuum Mechanics	
MEEN 5331	Advance Materials Science	
MEEN 5349	Mechanical Vibrations	
MEEN 5359	Advanced Manufacturing Processes	
MEEN 5385	Advanced Manufacturing of Composites	
SAEN 5384	Hypersonic Flows	
SAEN 5385	Computational Fluid Dynamics	
MEEN 6326	Advanced Control Systems	
MEEN 6330	Advanced Composite Materials	
MEEN 6332	Advanced Mechanics of Composites and Design	
MEEN 6333	Nondestructive Evaluation Techniques	
Total Semester Credit Hours		30

* Based on the specific thesis requirements, a student may be allowed to take a maximum of 6 hours of coursework outside of these approved electives with the approval of the department.