

# M.S. in Aerospace Engineering

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## DEGREE REQUIREMENTS

### Core/Major

AENG 502	Strength and Fatigue of Materials	3
AENG 510	Aircraft Structural Dynamics	3
AENG 511	Engineering Materials Selection	3
AENG 514	Introduction to the Finite Element Method	3
AENG 522	Analysis of Aircraft Composite Materials	3
AENG 540	Structural Health Monitoring	3
AENG 612	Analysis of Aircraft Plate and Shell Structures	3
AENG 525	Structural Design Optimization	3
MATH 502	Boundary Value Problems	3
Take one of the following elective courses:		3
SYSE 500	Fundamentals of Systems Engineering	
	or SYSE 56C Introduction to Systems Engineering Management	
SYSE 530	System Requirements Analysis and Modeling	
SYSE 610	System Architecture Design and Modeling	
SYSE 625	System Quality Assurance	
AWEN 502	Airworthiness Process and Procedures	
AWEN 510	Aircraft Airworthiness Engineering Principles	
<b>Total Degree Requirements</b>		<b>30</b>