

# M.S. in Airworthiness Engineering

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## DEGREE REQUIREMENTS

### Core/Major

AWEN 502	Airworthiness Process and Procedures	3
SYSE 505	System Safety and Certification	3
UASE 501	Introduction to Uncrewed Aircraft Systems Design	3
AWEN 510	Aircraft Airworthiness Engineering Principles	3
MATH 546	Application-Based Advanced Engineering Mathematics	3
AWEN 552	Continued Airworthiness	3
AWEN 690	Graduate Research Project	3
or PMGT 652	Concepts and Practices of Project Management	
<b>Total Credits</b>		<b>21</b>

### Electives

Electives: (9 credit hours) Choose one of the following concentrations. 9

#### Structures

AENG 502	Strength and Fatigue of Materials
AENG 510	Aircraft Structural Dynamics
AENG 514	Introduction to the Finite Element Method

#### Engineering Management

LGMT 500	Introduction to Supply Chain Management and the Profession
LGMT 525	Management Science for Operations
FINE 610	Budgeting and Finance for R&D

#### Systems Engineering

SYSE 530	System Requirements Analysis and Modeling
SYSE 610	System Architecture Design and Modeling
SYSE 625	System Quality Assurance

**Total Degree Requirements 30**