

Department of Aerospace Engineering & Mechanics  
MSAEM (Plan II: Non-Thesis) Degree Requirements Checklist

Student: \_\_\_\_\_ CWID: \_\_\_\_\_

State Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Advisor: \_\_\_\_\_

Credit Hour Requirements: 30 total semester coursework credit hours  
*At least 12 elective coursework hours must have an AEM designation*  
*6 Year Time Limit*

**CORE COURSE REQUIREMENT (6 hours)**

*Complete one course from the Aerospace Area and one course from the Mechanics Area*

<b>Aerospace Area</b>	Credit	Grade	Term
AEM 569 Orbital Mechanics	3		
AEM 582 Space Systems	3		
AEM 614 Airfoil & Wing Theory	3		
AEM 668 Advanced Dynamics of Flight	3		

<b>Mechanics Area</b>	Credit	Grade	Term
AEM 500 Intermediate Fluid Mechanics	3		
AEM 530 Continuum Mechanics	3		
AEM 562 Intermediate Dynamics	3		
AEM 637 Theory of Elasticity	3		

**MATHEMATICS COURSE REQUIREMENT (6 hours)**

	Credit	Grade	Term
	3		
	3		

**ELECTIVE COURSE REQUIREMENT (18 hours)**

*Complete 12 hours of elective coursework\**

	Credit	Grade	Term
	3		
	3		
	3		
	3		
	3		
	3		

\* Elective coursework may include those courses identified as core courses, but that have not been used to satisfy the core coursework requirement.

**MSAEM PLAN I - DEGREE CHECKLIST**

- \_\_\_\_\_ Core coursework requirement
- \_\_\_\_\_ Mathematics coursework requirement
- \_\_\_\_\_ Elective coursework requirement
- \_\_\_\_\_ Successfully complete culminating experience report or pass PhD qualifying examination

Department of Aerospace Engineering & Mechanics  
Checklist: Notes

Notes (handwritten or PDF fillable form – single line)

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Notes (fillable PDF form – multiple lines)