

Department of Aerospace Engineering & Mechanics
MSAEM (Plan I: Thesis) Degree Requirements Checklist

Student: _____ CWID: _____

State Date: _____ End Date: _____ Advisor: _____

Credit Hour Requirements: 30 total semester credit hours
24 hours of coursework | 6 hours of AEM 599 thesis research
At least 6 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

Aerospace Area	Credit	Grade	Term
AEM 567 Orbital Mechanics	3		
AEM 582 Space Systems	3		
AEM 614 Airfoil & Wing Theory	3		
AEM 668 Advanced Dynamics of Flight	3		

Mechanics Area	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)

Complete GES 554 Partial Differential Equations and one approved mathematics elective

	Credit	Grade	Term
GES 554 Partial Differential Equations	3		
	3		

RESEARCH REQUIREMENT (6 hours)

Complete 6 credit hours of AEM 599 Thesis Research

Credit	Grade	Term	Credit	Grade	Term

ELECTIVE COURSE REQUIREMENT (12 hours)

*Complete 12 hours of elective coursework**

	Credit	Grade	Term
	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
- _____ AEM 599 thesis research requirement
- _____ Successfully defend/submit thesis

