Department of Aerospace Engineering & Mechanics
PhD Degree Requirements Checklist

Student: _____ CWID: _____

State Date: _____ End Date: _____ Advisor: _____

Credit Hour Requirements: 72 total semester credit hours

48 hours of coursework | 24 hours of AEM 699 dissertation research

At least 24 coursework hours must have an AEM designation | 7 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 569 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 RQUIREMENT (9 hours)

	Credit	Grade	Term
	3		
	3		
	3		

ELECTIVE COURSE REQUIREMENT (33 hours)

*Complete 33 hours of elective coursework.**

	Credit	Grade	Term
	3		
	3		
	3		
	3		
	3		
	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.*

RESIDENCY REQUIREMENT

Minimum requirement of 3 full years with one full year (2 consecutive semesters) in residences enrolled as a full-time student. Enrollment in dissertation research hours may not be included to satisfy this requirement.

RESEARCH REQUIREMENT (24 hours)

Complete 24 credit hours of AEM 699 Dissertation Research

Credit	Grade	Term

Credit	Grade	Term

PhD QUALIFYING EXAMINATION

Students should complete (pass) the qualifying examination within 18 months of completing 24 hours of coursework (and at least 9 months prior to graduation). The qualifying examination may only be taken twice.

	Date	Pass/Fail
Core Coursework		

PhD DEGREE CHECKLIST

_____ Core coursework requirement
_____ Mathematics coursework requirement
_____ Elective coursework requirement
_____ Pass Qualifying Examination
_____ Successfully defend dissertation proposal
_____ Admission to Candidacy
_____ AEM 699 dissertation research requirement
_____ Successfully defend/submit dissertation

Notes (handwritten or PDF fillable form – single line)

Notes (fillable PDF form – multiple lines)