AEROSPACE ENGINEERING - MASTER OF SCIENCE

Admission Requirements: See https://mae.nmsu.edu/academic-programs/grad/admission.html.

Thesis Option

Prefix	Title	Credits
Requirements		
M E 570	**Engineering Analysis I**	**3**
Select one course from each of the following 3 topic areas		**9**
Aerodynamics		
Select on from the following:		
M E 530	Intermediate Fluid Mechanics	
M E 533	Numerical Methods for Fluid Mechanics and Heat Transfer	
Structural Dynamics and Control		
Select one from the following:		
M E 511	Dynamics	
M E 512	Vibrations	
Solid Mechanics		
Select one from the following:		
M E 502	Elasticity I	
M E 504	Continuum Mechanics	
Thermal Science		
Select one from the following:		
M E 503	Thermodynamics	
M E 540	Intermediate Heat Transfer	
Engineering Analysis		
Select one from the following:		
M E 518	Finite Element Analysis	
M E 527	Linear Systems Theory	
Select 9 credits of A E graduate courses [1, 2]		**9**
Master's Thesis Research		**9**
A E 599	Master's Thesis	
A E 509	Individualized Study	
Total Credits		**30**

1. All course must be 500 level or above. Up to 6 credits of M E graduate courses may be substituted with the approval of the Graduate Coordinator.
2. If A E 510 Special Topics or M E 510 Special Topics Special Topics is taken, it must be a regular course with a proper course title taught in class. Any 510 course as an independent study would never be counted.

Publication Requirement

A refereed conference paper accepted or a refereed journal article in review or accepted by graduation. The M.S. thesis can be a reformatted version of this paper. Exceptions may be made on a case by case basis by the department head.

Selection of Permanent Advisor

Newly admitted graduate students will be assigned a temporary advisor for the first semester, but they must select a degree option and permanent advisor before registering for the second semester.

In considering a decision about option and advisor, the student should arrange to meet with several members of the graduate faculty during the first six weeks of study to discuss specific educational objectives. The student can use these meetings to become familiar with faculty interests and research projects currently in progress. The faculty member must agree (in writing) to serve as the student's advisor.

All students must pass a final examination. The final examination is to be conducted by the student's advisory committee and is taken after completing all coursework and thesis work.