

MECHANICAL ENGINEERING - MASTER OF ENGINEERING IN MECHANICAL ENGINEERING

The Mechanical Engineering Masters of Engineering degree is a coursework-based graduate degree that requires neither a thesis nor a project.

(30 credits)

Prefix	Title	Credits
Requirements		
M E 570	Engineering Analysis I	3
Core Courses		
Select one course from each of the following 4 topic areas: ¹		12
<i>Solid Mechanics</i>		
Select one from the following:		
M E 502	Elasticity I	
M E 504	Continuum Mechanics	
<i>Thermal Science</i>		
Select one from the following:		
M E 503	Thermodynamics	
M E 540	Intermediate Heat Transfer	
<i>Fluids</i>		
Select one from the following:		
M E 530	Intermediate Fluid Mechanics	
M E 533	Numerical Methods for Fluid Mechanics and Heat Transfer	
<i>Dynamics and Vibrations</i>		
Select one from the following:		
M E 511	Dynamics	
M E 512	Vibrations	
<i>Engineering Analysis and Control</i>		
Select one from the following:		
M E 518	Finite Element Analysis	
M E 527	Linear Systems Theory	
Additional Requirements		
Select three courses (500 level or above) from any departments and two courses (500 level or above) from any college: ^{2,3}		12
M E 598	Integrative Learning Experience ⁴	3
Total Credits		30

¹ Graduate A E courses may be substituted for M E courses with the approval of the Graduate Program Coordinator.

² If course is not in A E or M E program, approval of the Graduate Program Coordinator is required.

³ If M E 510 Special Topics or A E 510 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.

⁴ Professional degree students must complete an Integrative Learning Experience that allows them to demonstrate a synthesis of foundational and concentration competencies. M E 598 Integrative Learning Experience serves that purpose as the final exam for Graduate School Requirements.

Academic Advisor and Final Exit Survey

Newly admitted Mechanical Engineering Masters of Engineering students will be assigned the Graduate Program Coordinator as an academic advisor.

All students must take Professional Master's Degree Exit Survey to graduate, which will be conducted by the Graduate Program Coordinator and will be taken after completing all coursework.