

MECHANICAL ENGINEERING (MS)

Code	Title	Units
REQUIRED COURSES		
ME 5599	Thesis	6
Or 6 units of 5000 level ME courses and ME 5597		
Analysis and Modeling		
Select two courses from Mechanics/Design or Thermal/Fluids:		6
Mechanics/Design		
ME 5501	Continuum Mechanics and Elasticity	
ME 5503	Inelastic Stress Analysis	
ME 5504	Finite Element Analysis of Continua	
ME 5305	Mechatronics III	
ME 5506	System Dynamics	
Thermal/Fluids		
ME 5540	Viscous Flow	
ME 5541	Advanced Thermodynamics	
ME 5552	Conduction and Radiation Heat Transfer	
ME 5553	Convective Heat Transfer	
ME 5554	Computational Heat Transfer	
Mathematics Core		
Select any 5000 level CSC, MATH, or STAT course		3
Mechanical Engineering Electives		
Select any 5000 level AERO or ME courses		6
Approved Technical Electives		
Select any 4000-5000 level AERO, BMED, CE, CPE, CSC, EE, ENVE, IME, MATE, or ME courses		9
Total Units		30