

M.E. Dept: 3-yr Undergraduate Course Offering Plan

Updated 11/03/08

Course	Cr.	Course Title	Spring	Sum	Fall	Spring	Sum	Fall	Spring	Sum	Fall
			2009	2009	2009	2010	2010	2010	2011	2011	2011
ME 2001	2	Elem. Mech. Engr. Analysis	X		X	X		X	X		X
ME 2330	3	Dynamics	X	X	X	X	X	X	X	X	X
ME 3010	3	Materials & Proc. In Manuf.	X		X	X		X	X		X
ME 3023	3	Measurements in Mech. Sys.	X		X	X		X	X		X
ME 3050	3	Dyn. Modeling & Controls	X		X	X		X	X		X
ME 3060	1	Dyn. Modeling & Controls Lab	X		X	X		X	X		X
ME 3110	3	Phys. Metall. & Heat Treatment			X			X			X
ME 3210	3	Thermodynamics I	X	X	X	X	X	X	X	X	X
ME 3220	3	Thermodynamics II	X		X	X		X	X		X
ME 3610	3	Dynamics of Machinery	X		X	X		X	X		X
ME 3710	3	Heat Transfer	X		X	X		X	X		X
ME 3720	3	Fluid Mechanics	X	X	X	X	X	X	X	X	X
ME 3910	1	ME Seminar	X		X	X		X	X		X
ME 4010	3	Machine Design	X		X	X		X	X		X
ME 4020	3	Applied Machine Design	X		X	X		X	X		X
ME 4060	3	Machine Vibrations	X			X			X		
ME 4120	3	Intermediate Dynamics				X					X
ME 4140	3	Introduction to Robotics			X				X		
ME 4160	3	Experimental Stress Analysis*	✗			✗			✗		
ME 4180	3	Finite Element Methods in ME	X			X			X		
ME 4190	3	Adv. Mechanics of Materials			X			X			X
ME 4210	3	Refrigeration & AC			X			X			X
ME 4220	3	Air Conditioning Design**									
ME 4260	3	Energy Cons. & Conversion			X			X			X
ME 4310	3	Gas Dynamics	X			X			X		
ME 4370	3	Mechatronics	X			X			X		
ME 4430	3	Micro- & Nano Manufacturing*									
ME 4444	4	Sr. Design Project	X	X	X	X	X	X	X	X	X
ME 4450	3	Design for Manufacturability*									
ME 4460	3	Mechanical Prop. Of Materials			X			X			X
ME 4470	3	Inter. Stud. Ceramic Mat. Proc.			X			X			X
ME 4480	3	Microstructural Analysis	X			X			X		
ME 4490	3	Prop. & Sel. Of Engr. Materials	✗			X			X		
ME 4510	3	Aerodynamics			X			X			X
ME 4610	3	Steam Power Plants	X			X			X		
ME 4620	3	Turbomachinery	X			X			X		
ME 4630	3	Internal Combustion Engines	X			X			X		
ME 4640	3	Dynamics of Machinery II	✗					X			
ME 4720	3	Thermal Design	X	X	X	X	X	X	X	X	X
ME 4730	3	Numerical Heat Transfer			X			X			X
ME 4751	2	Energy Systems Lab	X	X	X	X	X	X	X	X	X
ME 4810	3	Modern Controls			X			X			X
ME 4930	3	Noise Control	X			X			X		
ME 4950	3	Introduction to MEMS	X			X			X		

*Not currently offered

**On demand