

Mechanical Engineering Curriculum

Freshman Year

FE 1100 Study & Careers in Eng.	(1)		ME 1720 Intro to Engineering Design	(3)	
Chem 1310 General Chemistry	(4)		Math 1215 Calculus for Engineers II <i>Math 1160; and 1211 or 1214, or by placement exam</i>	(4)	
Chem 1319 General Chemistry Lab <i>*Chem 1310, *Chem 1100</i>	(1)		Phys 1135 Engineering Physics I Math 1214 or 1211	(4)	
Math 1214 or 1211 Calculus for Engineers I <i>Math 1160; and 1120 or 1140, or by placement exam</i>	(4)		Econ 1100 or 1200	(3)	
Engl 1120 Exposition and Argumentation	(3)		Hum or Soc Sci Elective	(3)	
Hist 1200, 1300, 1310, or Pol Sc 1200	(3)				

Sophomore Year

CE 2200 Statics <i>Phys 1135 or 1111, Math 1215, *Math 2222</i>	(3)		Comp Sci 1970, 1971, 1972 , or 1570 Programming Lecture <i>Math 1214 or 1208</i>	(2)	
Math 2222 Calc w/Analytic Geometry III <i>Math 1215 or 1221</i>	(4)		Comp Sci 1980, 1981, 1982 , or 1580 Programming Lab	(1)	
Phys 2135 Engineering Physics II <i>Phys 1135, Math 1221 or 1215</i>	(4)		ME 2519 Thermodynamics <i>Math 1214/1215/2222, Phys 1135</i>	(3)	
ME 1761 CAD ME 1720	(1)		ME 2360 Dynamics <i>CE 2200, Math 2222</i>	(3)	
ME 2653 Intro to Manufacturing Processes <i>*ME 1761, ME 1720, Phys 1135</i>	(3)		Math 3304 Elementary Differential Eqns <i>Math 2222</i>	(3)	
			ME 2761 Intro to Design ME 1720, ME 1761, ME 2653, <i>Math 1214 or 1211, Phys 1135, *CE 2200</i>	(2)	
			Mt Eng 2110 Metallurgy for Engineers <i>*Chem 1310</i>	(3)	

Junior Year

ME 3313 Machine Dynamics <i>CSci, ME 2360, Math 1214/1215/2222/22, Phys 1135</i>	(3)		ME 3411 Model Analysis of Dyn Systems <i>CSci, ME 2360, Math 1214/1215/2222/3304, Phys 1135/2135</i>	(3)	
ME 3521 Applied Thermodynamics ME 2519	(3)		ME 3525 Heat Transfer <i>CSci, Math 3304, ME 2519</i>	(3)	
EE 2800 Electrical Circuits <i>Phys 2135, Math 3304 or 3329</i>	(3)		ME 3131 Thermofluid Mechanics I ME 2519	(3)	
CE 2210 Mechanics of Materials CE 2200	(3)		ME 4840 Mech Instrumentation <i>Math 3304, ME 2519, Phys 2135</i>	(2)	
CE 2211 Materials Testing <i>*CE 2210</i>	(1)		ME 3708 Machine Design I ME 2653, MtEng 2110/AE 3877, CE 2210, *ME 2761	(3)	
CSci 3200, Math 3103, Math 3108, Stat 3113, Stat 3115, or 4xxx or CSci/Math/Stat	(3)		Engl 1160, Engl 3560, or Speech 1185	(3)	

Senior Year

ME 4842 Mechanical Engineering Systems ME 4840/3521/3131/3525/3313	(2)		Eng Mgt 1100 Practical Conc for Tech Mgr	(1)	
ME 4479 Auto Control of Dynamic Systems ME 3411	(3)		Eng Mgt 1210 Econ Analysis of Eng Proj Math 1214	(2)	
Mech Eng Technical Elective	(3)		ME 4761 Engineering Design ME *3708/*3525/*3131/*4479	(3)	
Technical Elective	(3)		ME 4480 Control System Lab ME 4479	(1)	
Adv Hum or Soc Sci Elec	(3)		Mech Eng Technical Elective	(3)	
Literature Elective	(3)		Breadth Elective	(3)	



C or better required

* Preceded or Accompanied by

C or better required in pre-requisite