

## Mechanical Engineering Curriculum Fall 2008 and later Catalog Year

Freshman Year					
FE 10 Study & Careers in Eng.	(1)	✓		IDE 20 Eng Design with Comp. Appl.	(3) ✓
Chem 1 General Chemistry	(4)	✓		Math 15 Calculus for Engineers II	(4) ✓
Chem 2 General Chemistry lab	(1)	✓		Phys 23 Engineering Physics I	(4) ✓
Math 14 Calculus for Engineers I	(4)	✓		Econ 121 or 122	(3) ✓
Engl 20 Exposition and Argumentation	(3)	✓		Hum or Soc Sci Elective <i>Psych 5</i>	(3) ✓
Hist 112, 175, <u>176</u> , or Pol Sc 90	(3)	✓			
Sophomore Year					
CS 73 or CS 74 Programming	(2)	✓		ME 161 Intro to Design	(3) ✓
CS 77 or CS 78 Programming Lab	(1)	✓		ME 219 Thermodynamics	(3) <span style="background-color: red;"></span>
IDE 50 Statics	(3)	✓		ME 160 Dynamics	(3) <span style="background-color: red;"></span>
Math 22 Calc w/ Analytic Geometry III	(4)	✓		Math 204 Elementary Differential Eqns	(3) ✓
Phys 24 Engineering Physics II	(4)	✓		Mt Eng 121 Metallurgy for Engineers	(3) ✓
ME 153 Intro to Manufacturing	(3)	✓			
Junior Year					
ME 213 Machine Dynamics	(3)			ME 211 Linear Systems in Mc Eng	(3) <span style="background-color: red;"></span>
ME 221 Applied Thermodynamics	(3)			ME 208 Machine Design I	(3)
EE 281 Electrical Circuits	(3)			ME 225 Heat Transfer	(3)
IDE 110 Mechanics of Materials	(3)	<span style="background-color: red;"></span>		ME 240 Mech Instrumentation	(2)
IDE 120 Materials Lab	(1)	<span style="background-color: red;"></span>		ME 231 Thermofluid Mechanics I	(3)
CSc 228, Math 203, Math 208, <u>Stat 213</u> , Stat 215, or 3xx CSc/Math/Stat	(3)	<span style="background-color: red;"></span>		Engl 60, Engl 160, or <u>Speech 85</u>	(3) ✓
Senior Year					
ME 242 Mech Engr Systems	(2)			Eng Mgt 124 Princ of Eng Management	(1) ✓
ME 279 Auto Control of Mech Systems	(3)			Eng Mgt 137 Econ Analysis of Eng Projects	(2) ✓
Mc Eng technical elective	(3)			ME 261 Anal. & Synthesis in Eng Design	(3)
Free Elective	(3)			ME 280 Control Systems Lab	(1)
Literature Elective	(3)			Mc Eng 3xx technical elective	(3)
Advanced Hum or Soc Sci Elective	(3)			Free Elective	(3)



C or better required

53 credit hours remaining.