

MECHANICAL ENGINEERING CURRICULUM
Approved 128-Hour Curriculum for B.S. Degree: 2011 - 2012

Freshman Year

Fall	Hr	Spring	Hr
CHEN 1211 General Chemistry	3	PHYS 1110 General Physics 1	4
CHEM 1221 General Chemistry Lab	2	APPM 1360 Calculus for Engineers 2	4
APPM 1350 Calculus 1 for Engineers	4	GEEN 1300 Engineering Computing	3
MCEN 1025 Comp-Aided Design/Fabr	3	GEEN 1400 First-Year Engr. Projects	3
MCEN 1000 Intro to M.E.	1	Humanities/Social Science Elective	3
Humanities/Social Science Elective	3		
Total:	16	Total:	17

Sophomore Year

Fall	Hr	Spring	Hr
PHYS 1140 Experimental Physics	1	PHYS 2130 Physics 3	3
PHYS 1120 General Physics 2	4	APPM 2360 Linear Alg & Diff Eqns	4
APPM 2350 Calculus 3 for Engineers	4	MCEN 2063 Mechanics of Solids	3
MCEN 2023 Statics and Structures	3	MCEN 2024 Materials Science	3
Humanities/Social Science Elective	3	Free Elective	3
Total:	15	Total:	16

Junior Year

Fall	Hr	Spring	Hr
MCEN 3030 Computational Methods	3	MCEN 3037 Exp Design & Data Anal.	2
ECEN 3010 Circuits & Electronics	3	MCEN 3022 Heat Transfer	3
MCEN 3012 Thermodynamics	3	MCEN 3043 Dynamics	3
MCEN 3021 Fluid Mechanics	3	MCEN 3025 Component Design	3
WRTG 3030 Writing on Soc & Sci.	3	MCEN 4122 Thermodynamics 2	3
		Humanities/Social Science Elective (3000/4000-level)	3
Total:	15	Total:	17

Senior Year

Fall	Hr	Spring	Hr
MCEN 4043 System Dynamics	3	MCEN 4047 M.E. Laboratory	2
MCEN 4037 Measurements Lab	2	MCEN 4085 ME Design Project 2	4
MCEN 4045 ME Design Project 1	3	Mechanical Eng. Technical Elective	3
MCEN 4026 Mfg. Proc. & Systems	3	General Technical Elective	3
Mechanical Eng. Technical Elective	3	General Technical Elective	3
Humanities/Social Science Elective (3000/4000-level)	3		
Total:	17	Total:	15