MECHANICAL ENGINEERING - DEGREE REQUIREMENTS WORKSHEET

Minimum credits to graduate: 128. Mnimum MCEN credits: 21. Revised 9/15/2011

Student # _____
Date _____

Name: _____
Email: _____

MAPS _____

FE _____

REQUIRED COURSES:			Course Substitution - Dmaj/OpOpt/Equiv/Transfer	Credit Xfer	Credit Diff.	CU RECORD: Term	CU RECORD: Grade
Mechanical Engineering - 62 hrs							
GEEN 1300	Intro. To Engineering Computing	3					
GEEN 1400	First-Year Engineering Projects	3					
MCEN 1000	Intro. to Mechanical Engineering	1					
MCEN 1025	Computer-Aided Design and Fabrication	3					
MCEN 2023	Statics & Structures	3					
MCEN 2024	Materials Science	3					
MCEN 2043	Dynamics	3					
MCEN 2063	Mechanics of Solids	3					
MCEN 3012	Thermodynamics	3					
ECEN 3010	Circuits & Electronics	3					
MCEN 3021	Fluid Mechanics	3					
MCEN 3022	Heat Transfer	3					
MCEN 3025	Component Design	3					
MCEN 3030	Computational Methods	3					
MCEN 3037	Exptl Design & Data Analysis	2					
MCEN 3122	Thermodynamics 2	3					
MCEN 4026	Manufacturing Processes & Systems	3					
MCEN 4037	Measurements Laboratory	2					
MCEN 4047	Mechanical Engineering Laboratory	2					
MCEN 4043	System Dynamics	3					
MCEN 4045	ME Design Project 1	3					
MCEN 4085	ME Design Project 2	4					
Mathematics - 16 hrs							
APPM 1350	Calculus 1 for Engineers	4					
APPM 1360	Calculus 2 for Engineers	4					
APPM 2350	Calculus 3 for Engineers	4					
APPM 2360	Intro. Linear Algebra & Diff. Eqns.	4					
Physical Science - 17 hrs							
CHEN 1211	General Chemistry	3					
CHEM 1221	General Chemistry Lab	2					
PHYS 1110	General Physics 1	4					
PHYS 1120	General Physics 2	4					
PHYS 1140	Experimental Physics	1					
PHYS 2130	General Physics 3	3					
or	CHEM 3311 Organic Chemistry 1						
or	PHYS 2170 Foundations of Modern Physics						
or	IPHY 3410 Introduction to Human Anatomy						
Writing - 3 hrs							
WRTG 3030	Writing on Science & Society	3					
ELECTIVE COURSES:							
Humanities & Social Science - 15 hrs. (includes 6 hrs. at Upper Division)							
1._____		3					
2._____		3					
3._____		3					
4._____(UD)		3					
5._____(UD)		3					
Free Elective - 3 hrs							
1._____		3					
Technical Electives - 12 hrs (6 hrs MCEN)			**Biomed Option _____ Environ Option_____ BS/MS_____**				
1.MCEN_____		3					
2.MCEN_____		3					
3._____		3					
4._____		3					