

Mechanical Engineering Curriculum Fall 2006-Spring 2007 (4 Year Plan)

CORE: UI (see page 4) **State Board:** 12crs H/SS (6crs of each, SS must be in 2 disciplines)

Freshman Year												
		cert	credit	grade	plan			cert	credit	grade	plan	
Engl 102	Coll Writing and Rhetoric		3			Math 175	Analytic Geom II and Calc		4			
Math 170	Analytic Geom I and Calc		4			Phys 211	Engr Phys I, lec		3			
ME 123(F)	Intro to ME Design		3			Phys 211	Engr Phys I, lab		1			
Core Disc.	Freshman Disc. Part I		4			Chem 111	Principles of Chemistry I		4			
Comm 101	Fund of Public Speaking		2			Engr 210	Engr Statics		3			
						Core Disc.	Freshman Disc. Part 2		3			
TOTAL		16				TOTAL		18				
Sophomore Year												
		cert	credit	grade	plan			cert	credit	grade	plan	
Math 310	Ord Differential Equations		3			Math 275	Analytic Geom III and Calc		3			
MSE 201(F)	Engr Materials		3			Phys 213 (S)	Engr Phys III, lec		3			
Phys 212	Engr Phys II, lec		3			Phys 213 (S)	Engr Phys III, lab		1			
Phys 212	Engr Phys II, lab		1			Engr 220	Engr Dynamics		3			
ME 223	Mechanical Design Analysis		3			Engr 240	Intro to Elec Circuits		3			
Engr 350	Engr. Mech of Materials		3			ME 225	Intro to Machine Design		2			
						CT	ME Certification		0			
TOTAL		16				TOTAL		15				
Junior Year												
		credit	grade	plan			credit	grade	plan			
ME 341(F)	Intermediate Mechanics	3			ME 325(S)	Machine Design	3					
Engr 335	Engr Fluid Mechanics	3			ME 345	Heat Transfer	3					
Engr 320	Engr Thermo and Heat Transfer	3			ME 324(S)	Dyn Analysis in Mach Design	3					
ME 301	Computer Aided Engineering	3			ME 330	Exp Methods for Engineers	3					
ME 313	Dyn Modeling of Engr Systems	3			Ethics**		3					
Econ*		3			TE***		3					
TOTAL		18				TOTAL		18				
Senior Year												
		credit	grade	plan			credit	grade	plan			
ME 424(F)	Mechanical Sys Design I	3			ME 426(S)	Mechanical Sys Design II	3					
ME 430	Senior Lab	3			TE***		3					
ME 435(F)	Thermal Systems Design	3			TE***		3					
TE***		3			Cluster****		3					
Engl 317	Technical Writing	3			CE 411	FE Review	1					
TOTAL		15				TOTAL		13				

Other Courses - Necessary or Taken

	credit	grade	plan
Math 108 Intermediate Algebra	3		
Math 143 Pre-calc Alg and Analytic Geom	3		
Engl 090 Developmental Writing	0		
Engl 101 Intro to College Writing	3		
Chem 050 Chemistry Fundamentals	0		

Graduation Requirement: you may accumulate no more than 5 grades at D or F in the mathematics, science, or engineering courses used to satisfy graduation requirements (repeats included).

To pass CT, you may accumulate no more than 3 grades at D or F in the courses marked with a "cert" box (repeats included). You must also earn at least 5 grades better than a C in the courses marked with a "cert" box.

*Econ 201, Econ 202 or Econ 272.

**Phil 103, Phil 252

***See Technical Elective appendix for choices--2 must be ME lecture-based courses, and 2 may be chosen from the rest of the list.
****Completion of H/S, cluster, upper division, and international course to meet university and departmental requirements

ME DEPT & UNIV MINIMUM CR HOURS REQUIRED: 129