

Mechanical Engineering Curriculum Fall 2005-Spring 2006

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 Phy I, lec		3		
ME 123(F)	Intro to ME Design		3			Phys 211	Engr Phy 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						TOTAL					
16						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	Engr Phys III, lec		3		
Phys 212	Engr Phys II, lec		3			Phys 213	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						TOTAL					
16						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					TOTAL				
18					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 (ME)	_____	3		
ME 435(F)	Thermal Systems Design	3			TE (ME)	_____	3		
TE (ME)	_____	3			Cluster****	_____	3		
Engl 317	Technical Writing	3			CE 411	FE Review	1		
TOTAL					TOTAL				
15					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.

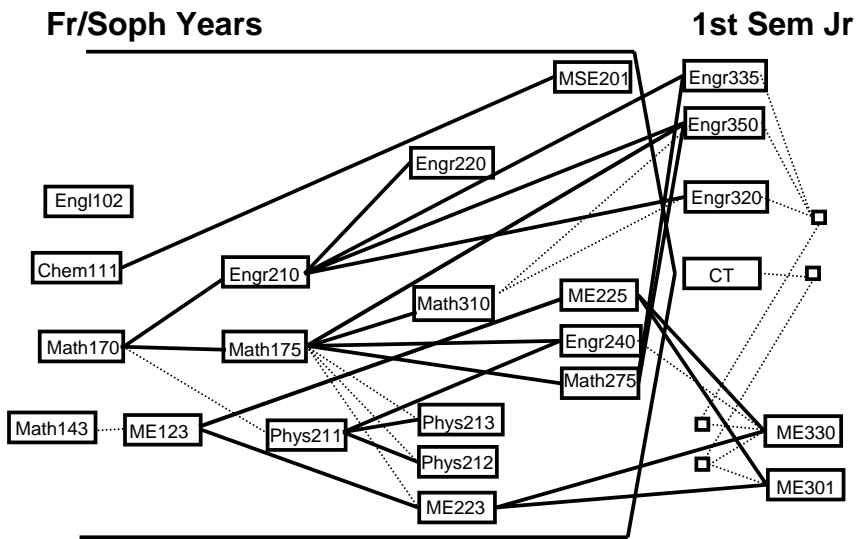
**Phil 103, Phil 252

***Satisfied by approved Up. Div. ME, MATH, or STAT courses
 ****Completion of H/S, cluster, upper division, and international course to meet university and departmental requirements

ME DEPT & UNIV MINIMUM CR HOURS REQUIRED: 129

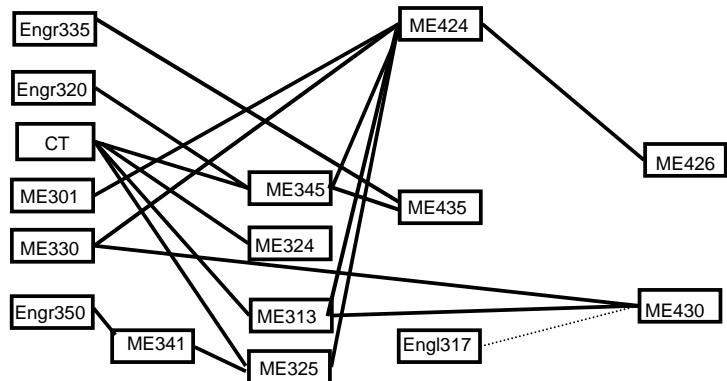
Fall 2005

D/F Grade Worksheet*			
Math, Engr & Science Courses			
The Lower Division (LD) max is 3 courses. The Lower Division plus Upper Division (UD) max is 5 courses.			
	Course #	Grade	Sem.
LD Crs 1			
LD Crs 2			
LD Crs 3			
Notify Andrea			
LD Crs 4			
STOP			
UD Crs 1			
UD Crs 2			
UD Crs 3			
UD Crs 4			
Notify Andrea			
UD Crs 5			
*All students starting Fall 2003 or later, and students who have chosen, in writing, to move to the D/F Certification and Graduation Requirements			



Jr/Sr Years

Co-req =
Pre-req = ———



Course Prerequisites Corequisites

All ME courses level 300 and above require certification (CT)

CE 411	Sr Standing or Perm	ME 330	ME 223 Engr240, Engr320, Engr335, Engr350
Chem 111	Chem 050 or Perm	ME 341	Engr 350, Math 275, Math 310
Comm 101		ME 345	Engr 320, Math310, ME 223
Core Discovery Parts I & 2		ME424	ME 301, ME313, ME 325, ME330, ME 345
CT	Completion of 'cert' courses	ME 426	ME 424
Economics 201 or 202 or 272		ME 430	ME 330, ME 313 Engl 317
Engl 102	Engl 101 or Perm	ME 435	Engr 335, ME 345
Engl 317	Engl 102 and Jr Standing	MSE 201	Chem 111
Engr 210	Math170	Phil 103 or 252	
Engr 220	Engr 210	Phys 211	Math 170
Engr 240	Phys 211, Math 175	Phys 212	Phys 211 Math 175
Engr 320	Engr210 Math 310	Phys 213	Phys 211 Math 175
Engr 335	Engr210, Math275		
Engr 350	Engr210, Math 175 Math 310		
Math 170	Math 143 or Perm		
Math 175	Math 170		
Math 275	Math 175		
Math 310	Math 175 (275 rec)		
ME 123	Math 143		
ME 223	ME 123 Math 175		
ME 225	ME 123		
ME 301	ME 223, ME 225		
ME 313	ME 223, Engr 220, Engr 240, Math 310		
ME 324	Engr 220, ME 223, Math 310		
ME 325	MSE 201, ME 341		

