

MECHANICAL ENGINEERING CURRICULUM

(Effective: September, 2007)

Student Name: _____ Advisor: _____

TRANSFER or PRE-FRESHMAN CREDITS

_____	()	_____	[]	from _____	on _____
_____	()	_____	[]	from _____	on _____
_____	()	_____	[]	from _____	on _____
_____	()	_____	[]	from _____	on _____
_____	()	_____	[]	from _____	on _____
_____	()	_____	[]	from _____	on _____

<u>COURSE</u>	<u>C.H.</u>	<u>CODE</u>	<u>GRADE</u>	<u>PREREQUISITES</u>
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FRESHMAN YEAR

FIRST TERM (16 cr.)

Intro. to Engineering	(2)	EGGG 101	[]	
General Chemistry	(4)	CHEM 103	[]	(MATH 114 or higher)
Gen. Comp. Sci. for Engineers	(3)	CISC 106	[]	
Analy. Geom. & Calc. A	(4)	MATH 241	[]	
Crit. Read & Writing	(3)	ENGL 110	[]	

WINTER SESSION (___ cr.)

_____ () _____ []

SECOND TERM (14 cr.)

Statics	(3)	MEEG 112	[]	(Coreq MATH 242, Coreq PHYS 207)
Anal. Geom. & Calc. B	(4)	MATH 242	[]	(MATH 241)
Fund. of Physics I	(4)	PHYS 207	[]	(Coreq MATH 241)
Gen. Ed. Elective	(3)	_____	[]	

SOPHOMORE YEAR

FIRST TERM (17 cr.)

Dynamics	(3)	MEEG 211	[]	(MEEG 112)
Mechanics of Solids	(4)	MEEG 215	[]	(MEEG 112)
Anal. Geom. & Calc. C	(4)	MATH 243	[]	(MATH 242)
Engineering Math I	(3)	MATH 351	[]	(Coreq MATH 243)
Gen. Ed. Elective	(3)	_____	[]	

WINTER SESSION (___ cr.)

_____ () _____ []

SECOND TERM (16 cr.)

Comp.-Aid. Engr. Design	(3)	MEEG 202	[]	
Matls. Science for Engineers	(3)	MSEG 302	[]	(CHEM 103, PHYS 207)
Engineering Math II	(3)	MATH 352	[]	(MATH 351)
Numerical Methods	(3)	MATH 353	[]	(MATH 351)
Intro. to Electric.&Electronics	(4)	PHYS 245	[]	(PHYS 207, Coreq MATH 243)

COURSE C.H. CODE GRADE PREREQUISITES
JUNIOR YEAR

FIRST TERM (17 cr.)

Mach. Des. – Kinem.&Kin.	(3)	MEEG 301	[]	(MEEG 211)
Vibration & Control	(4)	MEEG 311	[]	(MEEG 211)
Materials Engineering	(3)	MEEG 321	[]	(MEEG 215, MSEG 302)
Fluids I	(4)	MEEG 331	[]	(MEEG 112, MATH 351)
Intro. to Thermal Physics	(3)	PHYS 310	[]	(PHYS 207)

WINTER SESSION (___ cr.)

_____ ()	_____	[]		
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SECOND TERM (16 cr.)

Mach. Des. - Elements	(3)	MEEG 304	[]	(MEEG 215, MEEG 301, MEEG 321)
Fluid II	(3)	MEEG 332	[]	(MEEG 331, MATH 352)
Heat Transfer	(3)	MEEG 342	[]	(PHYS 310, MATH352, MATH 353)
Thermodynamics	(3)	MEEG 344	[]	(PHYS 310, MATH243)
Thermal Laboratory	(1)	MEEG 346	[]	(PHYS 310, Coreq MEEG 342, Coreq MEEG 344)
Gen. Ed. Elective	(3)	_____	[]	

SENIOR YEAR

FIRST TERM (15 cr.)

Senior Design	(6)	MEEG 401	[]	MEEG 304
Technical Elective	(3)	_____	[]	
Technical Elective	(3)	_____	[]	
Gen. Ed. Elective	(3)	_____	[]	

WINTER SESSION (___ cr.)

_____ ()	_____	[]		
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SECOND TERM (12 cr.)

Technical Elective	(3)	_____	[]	
Technical Elective	(3)	_____	[]	
Gen. Ed. Elective	(3)	_____	[]	
Gen. Ed. Elective	(3)	_____	[]	

GENERAL EDUCATION ELECTIVES (21 cr.)

University

Critical Reading and Writing	(3)	ENGL 110	[]		
Multicultural	(3)				[normally part of following; last col.]

College

			(300+)	(program)	(multi)
			(≥6)	(≥6)	(3)
Humanities and Social Science (18 cr)					
Humanities (≥6 cr)	(3)	_____	[]	()	()
	(3)	_____	[]	()	()
	(3)	_____	[]	()	()
Social Science (≥6 cr)	(3)	_____	[]	()	()
	(3)	_____	[]	()	()
	(3)	_____	[]	()	()