



**Mechanical Engineering Department
Degree Plan
2008-2009**

NAME: _____
Last First Middle

SID: _____

ADDRESS: _____

ADVISER: _____

	Course	Requirements	Hrs	Grade	Semester	Prerequisite(s)
First Semester 14 Hrs	CHEM 1301/1101	General Chemistry (CLEP)	4			
	ENG 1301	Composition or 1387 Honors	3			
	MECE 1101	Introduction to Mechanical Engr	1			
	MECE 1221	Engineering Graphics	2			
	MATH 1460	Calculus I (CLEP)	4			
Second Semester 18 Hrs	PHIL 2393	Professional Ethics for Engineers	3			
	MECE 2440	Engineering Materials	4			CHEM 1301/1101
	ENG 1302	Rhetoric or 1388 Honors (CLEP)	3			ENG 1301
	MATH 1470	Calculus II (CLEP)	4			MATH 1460 with minimum "C"
	PHYS 2401	Physics Science & Engr. I	4			MATH 1460 & MATH 1470*
Summer I & II 9 Hrs	ENG 23XX	Literature	3			ENG 1302
	HIST 2313	American Heritage I or 2387 Honors	3			
	POLS 2313	U.S. & Texas Gov. I or 2387	3			
Third Semester 14 Hrs	MECE 2303	Statics	3			MATH 1460, MATH 1470* & PHYS 2401
	MECE 2335	Thermodynamics I	3			MATH 1470 with minimum "C"
	MECE 2450	Numerical Methods and Statistics	4			MATH 1460 & MATH 1470*
	MECE 3449	Mechanical Engineering Analysis I	4			MATH 1470 with minimum "C"
Fourth Semester 15 Hrs	MANE 3364/3164	Manufacturing Processes & Lab	4			MECE 2440
	MECE 3450	Mechanical Engineering Analysis II	4			MECE 2450 & MECE 3449
	MECE 2304	Dynamics	3			MECE 2303 with minimum "C"
	PHYS 2402	Physics Science & Engr. II	4			PHYS 2401 & MECE 3449*
Summer I & II 9 Hrs	ECON 2301	Economics	3			
	HIST 2314	American Heritage II or 2388 Honors	3			
	POLS 2314	U.S. & Texas Gov. II or 2388	3			
Fifth Semester 16 Hrs	ELEE 3306	Electronic Systems	3			PHYS 2402
	MECE 3315/3115	Fluid Mechanics & Lab	4			MECE 2335 & MECE 3450*
	MECE 3320	Measurements & Instrumentation	3			MECE 2450, MECE 3450 & ELEE 3306*
	MECE 3321	Mechanics of Solids	3			MECE 2303 & MECE 3449*
	MECE 3380	Kinematics & Dynamics of Machines	3			MECE 2304 with minimum "C"
Sixth Semester 13 Hrs	MECE 3304	System Dynamics	3			MECE 2304 & MECE 3450
	MECE 3360/3160	Heat Transfer & Lab	4			MECE 3315 & MECE 3450*
	MECE 4350	Machine Elements	3			MECE 2304, MECE 2440 & MECE 3321
	Visual & Performing Arts (Art, Music, Theatre)			3		
Seventh Semester 10 Hrs	MECE 4361	Senior Design Project I	3			MECE 3320*, 3360*, 3380* & 4350*
	MECE 3336	Thermodynamics II	3			MECE 2335 & MECE 3450
	MECE 4101	Engineering Fundamentals	1			Must be within One Year of Graduation
	MECE 43XX	Technical Elective I	3			Faculty Adviser Approval
Eighth Semester 9 Hrs	MECE 4362	Senior Design Project II	3			MECE 4361
	MECE 43XX	Technical Elective II	3			Faculty Adviser Approval
	MECE 43XX	Technical Elective III	3			Faculty Adviser Approval

Approved by:

Department Chair

Date

Dean or Associate Dean

Date

*Credit for or Enrollment in