

FOUR YEAR PLAN TO COMPLETE THE BS IN MECHANICAL ENGINEERING DEGREE (MAE_BS01)				
135 UNITS REQUIRED		DEPARTMENT OF MECHANICAL & AEROSPACE ENGINEERING		
2006-2007 Catalog				
Semester 1		Semester 2		
Course	Units	Course	Units	
University 100	1	PHYS 151, Mech/Heat Sound (GE B1b)	4	
Composition or Oral Communication	3	MATH 123, Anal Geom & CalcII(GE B2)	4	
MAE 172, Engineering Graphics	3	Oral Communication or Composition	3	
MATH 122 Anal Geom & Calc I (GE B2)	4	CHEM 111A, Gen Chemistry (GE B1b)	5	
GE class	3	ENGR 101, Intro to Engineering	1	
GE class	3			
TOTAL UNITS	17	TOTAL UNITS	17	
Semester 3		Semester 4		
Course	Units	Course	Units	
CE 205, Anal Mech I(Statics)	3	EE 211, Electric Circuits I	3	
PHYS 152, Elec&Magnetism (GE B1b)	4	EE 211L, Electric Circuits Lab	1	
MATH 224, Anal Geom & Calc III	4	GE class	3	
MAE 205, Computer Methods in ME	2	MAE 322, Engr Matls&Matls Process	3	
Critical Thinking	3	MATH 370A, Applied Mathematics	3	
MAE 272, Intro to Manufacturing Proc	2	GE class	3	
TOTAL UNITS	18	TOTAL UNITS	16	
Semester 5		Semester 6		
Course	Units	Course	Units	
CE 335, Fluid Mechanics	3	MAE 361, Matls & Properties Lab	1	
MAE 373, Mech of Deformable Bodies	3	MAE 336, Power Plant Design	3	
MAE 300, Engr Instrumentation & Meas	2	MAE 376, Modeling & Anal Dyn Sys	3	
MAE 330, Engr Thermodynamics I	3	GE Capstone course	3	
MAE 371, Anal Mech II (Dynamics)	3	MAE 375, Kinematics & Dyn Mech	3	
MAE 305, Numerical Methods in ME	3	ECON 300, Fund Econ (GE D2)	3	
		CE 336, Fluid Mechanics Lab	1	
TOTAL UNITS	17	TOTAL UNITS	17	
Semester 7		Semester 8		
Course	Units	Course	Units	
MAE 476, Mech Control Systems I	3	CE 406, Engr Econ & Admin	3	
GE Capstone course	3	GE Capstone course	3	
MAE 337, Thermal Engr Lab	2	MAE 459, Professional Practice	1	
MAE 431, Heat Transfer Systems Desn	3	MAE 472, Design of ME Systems	3	
MAE 471, Anal Desn Mech Comp	3	MAE 409, Mod Comp Aspects in ME	3	
MAE 490, Special Topics in ME	3	GE class	3	
TOTAL UNITS	17	TOTAL UNITS	16	
Engineering majors may waive 6 units of General Education (Categories D.2 and B.1.a or C3 or E.)				