

<b>FIVE YEAR PLAN TO COMPLETE THE BS IN MECHANICAL ENGINEERING (MAE_BS01)</b>			
135 UNITS REQUIRED		DEPARTMENT OF MECHANICAL & AEROSPACE ENGINEERING	
<b>2006-2007 Catalog</b>			
<b>Semester 1</b>		<b>Semester 2</b>	
Course	Units	Course	Units
University 100	1	PHYS 151 Mech & Heat (GE B1b)	4
MAE 172 Engineering Graphics	3	MATH 123 Calculus II (GE B2)	4
MATH 122 (GE B2)	4	ENGR 101 Intro to Engineering	1
Composition or Oral Communication	3	GE class	3
GE class	3	Oral Communication or Composition	3
<b>TOTAL UNITS</b>	<b>14</b>	<b>TOTAL UNITS</b>	<b>15</b>
<b>Semester 3</b>		<b>Semester 4</b>	
Course	Units	Course	Units
CE 205 Anal Mech I (Statics)	3	MAE 205 Computer Methods in ME	2
CHEM 111A General Chemistry (GE B1b)	5	MAE 272 Intro to Manufact Process	2
PHYS 152 Elec & Magnetism (GE B1)	4	EE 211 Electric Circuits I	3
Critical Thinking	3	EE 211L Electric Circuits Lab	1
		MATH 224 Anal Geom & Calc III	4
		GE class	3
<b>TOTAL UNITS</b>	<b>15</b>	<b>TOTAL UNITS</b>	<b>15</b>
<b>Semester 5</b>		<b>Semester 6</b>	
Course	Units	Course	Units
MAE 300 Engr Instrumen & Meas	2	MAE 305 Numerical Methods in ME	3
MAE 322 Engr Matls & Matls Proc	3	MAE 336 Power Plant Design	3
MAE 330 Engr Thermodynamics I	3	MAE 371 Anal Mech II (Dynamics)	3
MATH 370A Applied Mathematics	3	ECON 300 Fund Econ (GE D2)	3
GE class	3		
<b>TOTAL UNITS</b>	<b>14</b>	<b>TOTAL UNITS</b>	<b>12</b>
<b>Semester 7</b>		<b>Semester 8</b>	
Course	Units	Course	Units
MAE 337 Thermal Engr Lab	2	MAE 361 Matls & Properties Lab	1
MAE 373 Mech Deformable Bodies	3	MAE 375 Kinematics & Dynamics	3
CE 335 Fluid Mechanics	3	MAE 376 Modeling & Anal Dyn Sys	3
CE 336 Fluid Mechanics Lab	1	GE Capstone course	3
GE Capstone course	3	GE class	3
<b>TOTAL UNITS</b>	<b>12</b>	<b>TOTAL UNITS</b>	<b>13</b>
<b>Semester 9</b>		<b>Semester 10</b>	
Course	Units	Course	Units
MAE 409 Mod Comp Aspects in ME	3	MAE 472 Design of ME Systems	3
MAE 459 Professional Practice Sem	1	MAE 476 Mech Control Systems I	3
MAE 431 Heat Transfer Systems Des	3	MAE 490 Special Topics in MAE	3
MAE 471 Anal Desn Mech Comp	3	CE 406 Engineering Economics	3
GE Capstone course	3		
<b>TOTAL UNITS</b>	<b>13</b>	<b>TOTAL UNITS</b>	<b>12</b>
Engineering majors may waive 6 units of General Education (Categories D.2 and B.1.a or C3 or E.)			