

<b>FIVE YEAR PLAN FOR THE BS IN MANUFACTURING ENGINEERING TECHNOLOGY (MAE_BS06)</b>			
<b>Emphasis A (Manufacturing Processes) or Emphasis B (Quality Assurance)</b>			
2006-2007 Catalog			
134 UNITS REQUIRED		Department of Mechanical and Aerospace Engineering	
Semester 1		Semester 2	
Course	Units	Course	Units
University 100	1	MATH 120 Calculus for Technology	4
CHEM 111A Chemistry (GE B1b)	5	Oral Communication or Composition	3
Composition or Oral Communication	3	ET 205 & 205L Comp App	2
GE Math (GE B.2)	3 or 4	ET 101 Introduction to ET	1
GE class	3	PHYS 100A Physics (GE B1.b)	4
<b>TOTAL UNITS</b>	<b>15 or 16</b>	<b>TOTAL UNITS</b>	<b>14</b>
Semester 3		Semester 4	
Course	Units	Course	Units
Critical Thinking	3	GE class	3
ET 202 & 202L Prob& Stat for Tech	4	ENGR 203 & 203L Engr Prob & Anal	4
ET 204 Applied Mech-Statics	3	ECON 300 Economics (GE D2)	3
PHYS 100B (GE B.3)	4	ET 170 Engineering Drafting	3
		ET 244 & 244L Machine Tools	2
<b>TOTAL UNITS</b>	<b>14</b>	<b>TOTAL UNITS</b>	<b>15</b>
Semester 5		Semester 6	
Course	Units	Course	Units
ET 304 App Mechs Str/ Matls	3	ET 311 Quality Engr. Tech.	3
GE class	3	ET 313 & 313L Qual Assr Insp Mesr	3
ET 264 & 264L Industrial Tooling	2	ET 335 & 335L Engr Matls & Proces I	4
ET 301 & 301L Eng Matls	3	ET 363 Kinem Mech Emph. A	3
ET 302 & 302L Indus Electricity	3	or ET 320 Softw Qual Assur.(Emph. B)	(2)
		GE class	3
<b>TOTAL UNITS</b>	<b>14</b>	<b>TOTAL UNITS</b>	<b>16(15)</b>
Semester 7		Semester 8	
Course	Units	Course	Units
ET 307 Indus Safety	2	ET 390 & 390L CAD & Design	3
ET 309 Indus Leadership	3	ET 418 Prod Meths/ Prod Anlys	3
ET 410 Cost Engr & Analysis	3	ET 365/L Fluid Power Emph. A	3
ET 312 Stat Qual Cont	3	or ET 419 Dsgn Expr (Emph. B)	
GE class	3	GE Capstone course	3
<b>TOTAL UNITS</b>	<b>14</b>	<b>TOTAL UNITS</b>	<b>12(12)</b>
Semester 9		Semester 10	
Course	Units	Course	Units
ET 420 Reliability / Main. (Emph. B)	(3)	ET 435/435L Eng Mat & Proces II	4
ET 461 Mgmt Mfg Operation	3	ET 498 Mfg Engr Tec Caps Prj	3
Technical Elective Emph. A	4	GE Capstone course	3
or Technical Elective (Emph. B)	(2)		
GE Capstone course	3		
<b>TOTAL UNITS</b>	<b>10(11)</b>	<b>TOTAL UNITS</b>	<b>10</b>
Three months of work experience is required for graduation.			
Engineering students may waive six units of General Education.(Category D.2 and B.1.a or E)			