

FOUR YEAR PLAN FOR THE BS IN MANUFACTURING ENGINEERING TECHNOLOGY (MAE_BS06)			
Emphasis A (Manufacturing Processes) or Emphasis B (Quality Assurance)			
2006-2007 Catalog			
134 UNITS REQUIRED		Department of Mechanical and Aerospace Engineering	
Semester 1		Semester 2	
Course	Units	Course	Units
University 100	1	Oral Communication or Composition	3
Composition or Oral Communication	3	PHYS 100B Physics (GE B3)	4
GE Math (GE B.2)	3	MATH 120 Calculus for Technology	4
CHEM 111A Chemistry (GE B1b)	5	ET 205 & 205L Comp App	2
PHYS 100A Physics (GE B1b)	4	GE class	3
		ET 101 Introduction to ET	1
TOTAL UNITS	16	TOTAL UNITS	17
Semester 3		Semester 4	
Course	Units	Course	Units
Critical Thinking	3	GE Class	3
ET 202 & 202L Prob & Stat for Tech	4	ET 301 & 301L Eng Mats	3
ET 204 Applied Mech-Statics	3	ET 309 Indus Leadership	3
GE Class	3	ENGR 203 & 203L Engr Prob & Anal	4
ET 264 & 264L Industrial Tooling	2	GE Class	3
ET 170 Engineering Drafting	3	ET 244 & 244L Machine Tools	2
TOTAL UNITS	18	TOTAL UNITS	18
Semester 5		Semester 6	
Course	Units	Course	Units
ECON 300 Economics (GE D2)	3	ET 304 App Mechs Str/ Mats	3
ET 302 & 302L Indus Electricity	3	GE Capstone Course	3
ET 311 Quality Engr. Tech.	3	ET 307 Indus Safety	2
ET 335 & 335L Engr Mats & Proces I	4	ET 312 Stat Qual Cont	3
ET 363 Kinem Mech <i>Emph. A</i>	3	ET 365 & 365L Fluid Power <i>Emph. A</i>	3
or ET 320 Softw Qual Assur. (<i>Emph. B</i>)	(2)	or ET 419 Dsgn Expr (<i>Emph. B</i>)	(3)
		ET 390 & 390L CAD & Design	3
TOTAL UNITS	16(15)	TOTAL UNITS	17(17)
Semester 7		Semester 8	
Course	Units	Course	Units
GE Capstone course	3	ET 435 & 435L Eng Mat & Proces II	4
ET 313 & 313L Qual Assr Insp Mesr	3	ET 498 Mfg Engr Tec Caps Prj	3
ET 418 Prod Meths/ Prod Anlys	3	<i>Technical Elective Emph. A</i>	4
ET 461 Mgmt Mfg Operation	3	or <i>Technical Elective (Emph. B)</i>	(2)
ET 410 Cost Engr & Analysis	3	GE class	3
ET 420 Reliability / Main. (<i>Emph. B</i>)	(3)	GE Capstone course	3
TOTAL UNITS	15(18)	TOTAL UNITS	17(15)
Three months of work experience is required for graduation.			
Engineering majors may waive 6 units of General Education (D.2 and B.1.a or E)			