

SIX 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	PHYS 100B Physics (GE B3)	4
Composition or Oral Communication	3	Oral Communication of Composition	3
ET 101 Introduction to ET	1	MATH 120 Calculus for Technology	4
GE Math (GE B.2)	3	ET 170 Engineering Drafting	3
PHYS 100A Physics (GE B1b)	4		
TOTAL UNITS	12	TOTAL UNITS	14
Semester 3		Semester 4	
Course	Units	Course	Units
Critical Thinking	3	ECON 300 Economics (GE D2)	3
CHEM 111A Chemistry (GE B1b)	5	ET 202 & 202LL Prob& Stat for Tech	4
ET 205 & 205L Comp App	2	ET 204 Applied Mech-Statics	3
ENGR 203/L Engr Prob & Anal	4	GE class	3
TOTAL UNITS	14	TOTAL UNITS	13
O		Semester 6	
Course	Units	Course	Units
ET 244 & 224L Machine Tools	2	ET 304 App Mechs Str/ Matls	3
ET 264 & 264L Industrial Tooling	2	ET 309 Indus Leadership	3
ET 301 & 301L Eng Matls	3	ET 311 Quality Engr. Tech.	3
ET 302 & 302L Indus Electricity	3	GE class	3
GE class	3		
TOTAL UNITS	13	TOTAL UNITS	12
Semester 7		Semester 8	
Course	Units	Course	Units
ET 307 Indus Safety	2	ET 312 Stat Qual Cont	3
ET 313 & 313L Qual Assr Insp Mesr	3	ET 410 Cost Engr & Analysis	3
ET 335 & 335L Engr Matls & Proces I	4	ET 363 Kinem Mech <i>Emph. A</i>	3
GE class	3	ET 320 Softw Qual Assur. (Emph. B)	(2)
		GE class	3
TOTAL UNITS	12	TOTAL UNITS	12(11)
Semester 9		Semester 10	
Course	Units	Course	Units
ET 365 & 365L Fluid Power <i>Emph. A</i> or ET 419 Dsgn Expr (Emph. B)	3	ET 420 Reliability / Main. (Emph. B)	(3)
ET 390 & 390L CAD & Design	3	ET 435 & 435L Eng Mat & Proces II	4
ET 418 Prod Meths/ Prod Anlys	3	ET 461 Mgmt Mfg Operation	3
TOTAL UNITS	9	GE Capstone course	3
		TOTAL UNITS	10(13)
Semester 11		Semester 12	
Course	Units	Course	Units
Technical Elective for <i>Emph. A</i> or Technical Elective for <i>Emph. B</i>	4 (2)	ET 498 Mfg Engr Tec Caps Prj	3
GE Capstone course	3	GE Capstone course	3
TOTAL UNITS	7(5)	TOTAL UNITS	6
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)			