



**California State Polytechnic University, Pomona
DEGREE REQUIREMENT EVALUATION**

ELM Satisfied ___ Yes ___ No
 EPT Satisfied ___ Yes ___ No
 GWT Satisfied ___ Yes ___ No

MAJOR **MANUFACTURING ENGINEERING (5450)**

NAME _____
 LAST FIRST MI

TERM ADMITTED _____ **YEAR: 2002-2003**

OPTION/EMPHASIS _____

EVALUATOR _____

UNITS REQUIRED **202**

STUDENT I.D. # _____

DATE _____

UPDATES _____

CORE COURSES	Units	SUPPORT COURSES	Units	IGE	GENERAL EDUCATION. Students may fulfill these requirements at Cal Poly Pomona with the General Education (GE) or the Interdisciplinary General Education (IGE) Programs. Select courses from approved lists shown in the Schedule of Classes unless specified.	Units
<i>Students in this major are expected to <u>maintain</u> a GPA of at least 2.00 in all core courses.</i>		Gen Chem	CHM 121/L	4	IGE 120	4
		Gen Chem	CHM 122/L	4	IGE 121	4
		Elem Elec Engr	ECE 231/251L	4	IGE 122	4
Ind & Mfg Engr Fund	IME 112	Instru Sys	ECE 323/373L	4	IGE 220	4
Ind & Mfg Engr Comp	IME 113/L	Engr Prob & Stat	IME 312	3	IGE 221	4
Ind Costs & Cont	IME 239	Undergrad Seminar	IME 460	1	IGE 222	4
Appl of Statistics	IME 301	An Geom/Calculus II	MAT 115	4	IGE 223	4
Prod Plng & Cont	IME 326	An Geom/Calculus III	MAT 116	4	IGE 224	4
Fac Plan Lay Des	IME 331/L	Calc of Sev Var I	MAT 214	3	COM 216	4
Qual Cont Stat Methods	IME 415	Calc of Sev Var II	MAT 215	3	COM 204	4
Sr Project	IME 471 or IME 461	Diff Equations	MAT 216	4	EC 201/202	4
Sr Project	IME 472 or IME 462	Vector Statics	ME 214	3	Area B	16
Engr Graphics I	MFE 126/L	Vector Dynamics	ME 215	4	Area C4	4
Mfg Processes -		Strength Matls	ME 218	3	Area D4	4
Mtls, Meth, Tract	MFE 217/L	Fluid Mechanics	ME 311	3		
Mfg Processes I -		General Physics	PHY 132	3		
Mtl Removal	MFE 221/L	General Physics	PHY 133/L	4		
Engr Graphics II	MFE 226/L					
Mfg Processes II -						
Form, Cast, Join	MFE 230/L					
Meas & Meth	MFE 320/L					
Prod Engr	MFE 326/L					
Principles of						
Numerical Control	MFE 350/L					
CAD/CAM	MFE 375/L					
Intro CIM	MFE 450/L					
Metal Work Theory &						
Application	MFE 465					
Adv CAM Systems	MFE 476/L					
Indus Sys Simulation	IE 429/L					
Mfg Electives**						
**Select with advisor approval						
		SUMMARY OF ADVANCED STANDING CREDIT: Earned Hours _____ G.P.A. Hours _____ QualityPoints _____ G.P.A. _____				
					GENERAL EDUCATION COURSES Area A Communication and Critical Thinking–12 units 1 ENG 104 4 2 Oral Communication 4 3 Critical Thinking 4 Area B Math and Natural Sciences–16 units 1 <u>MAT 114</u> 4 2 <u>PHY 131/131L, 132L</u> 5 3 Biological Science 3 4 Science and Technology Synthesis* 4 Area C Humanities– 16 units 1 Fine/Performing Arts 4 2 Philosophy and Civilization 4 3 Literature and Foreign Language 4 4 Humanities Synthesis* 4 Area D Social Sciences– 20 units 1a PLS 201 4 1b HST 202 4 2 EC 201 or 202 4 3 SOC/PLS 390 4 4 Social Science Synthesis* 4 Area E Lifelong Understanding and Self-Development–4 units 4 <u>Underlined courses</u> satisfy both major and general requirements. *Department Approval Required	
UNITS REQUIRED:	76	UNITS REQUIRED:	58	UNITS REQUIRED:	68	

NOT MORE THAN 105 UNITS FROM A COMMUNITY COLLEGE NOR MORE THAN 36 UNITS OF EXTENSION WORK MAY BE APPLIED TOWARD A BACHELOR'S DEGREE.
 A 2.0 CUMULATIVE GPA IS REQUIRED IN CORE COURSES INCLUDING OPTION COURSES IN ORDER TO RECEIVE A DEGREE IN THIS MAJOR.

MANUFACTURING ENGINEERING

Name _____

2002-2003

Fall			Winter			Spring			Fall			Winter			Spring		
MFE 126/L 3	MFE 226/L 3	IME 239 3	MFE 217 3	MFE 221L 3	MFE 230L 3	MFE 326/L 3	MFE 350/L 3	MFE 375L 4	IME 461 or IME 471 2	IME 462 or IME 472 3	Area B4 4						
IME 112 3			ME 214 3	ME 215 4	ME 218 3	MFE Eit. 4		IME 460 1	MFE 465 3	IE 429L 4	MFE 476L 4						
		IME 113L 3															
CHM 121L 4	CHM 122L 4							IME 326 3	Area C4 4	IME 415 4	MFE 450/L 4						
	PHY 131 PHY 131L 4	PHY 132 PHY 132L 4	PHY 133 PHY 133L 4			IME 312 3	MFE 320 4	ECE 231 ECE 251L 4	ECE 323 ECE 373L 4								
				IME 301 3								IME 331L 4					
MAT 114 4	MAT 115 4	MAT 116 4	MAT 214 3	MAT 215 3	MAT 216 4											Area D4 4	
IGE 120 4	IGE 121 4	IGE 122 4	IGE 220 4		IGE 221 4	IGE 222 4	IGE 224 4										
ENG 104 4	Area A2 4	Area A3 4	EC 201 or EC 202 4	Area B3 3	Area C1 4	Area C3 4	SOC/PLS 390 4	PLS 201 4				HST 202 4	Area E 4				
18	19	18	17	16	18	14	14	17	16	19	16						

Total Units: 202