



**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: **2003-2004**

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.	
<p><i>Students in this major are expected to <u>maintain</u> a GPA of at least 2.00 in all core courses.</i></p> <p>Ind & Mfg Engr Fund IME 112 3</p> <p>Ind & Mfg Engr Comp IME 113/L 3</p> <p>Ind Costs & Cont IME 239 3</p> <p>Appl of Statistics IME 301 3</p> <p>Prod Plng & Cont IME 326 3</p> <p>Fac Plan Lay Des IME 331/L 4</p> <p>Qual Cont Stat Methods IME 415/L 4</p> <p>Sr Project IME 471 or IME 461 2</p> <p>Sr Project IME 472 or IME 462 3</p> <p>Engr Graphics I MFE 126/L 3</p> <p>Mfg Processes - Mtl's, Meth, Tract MFE 217/L 3</p> <p>Mfg Processes I - Mtl Removal MFE 221/L 3</p> <p>Engr Graphics II MFE 226/L 3</p> <p>Mfg Processes II - Form, Cast, Join MFE 230/L 3</p> <p>Meas & Meth MFE 320/L 4</p> <p>Prod Engr MFE 326/L 4</p> <p>Principles of Numerical Control MFE 350/L 3</p> <p>CAD/CAM MFE 375/L 4</p> <p>Intro CIM MFE 450/L 4</p> <p>Metal Work Theory & Application MFE 465 3</p> <p>Adv CAM Systems MFE 476/L 4</p> <p>Indus Sys Simulation IE 429/L 4</p> <p>Mfg Electives** 3</p> <p>**Select with advisor approval</p>		<p>Gen Chem CHM 121/L 4</p> <p>Gen Chem CHM 122/L 4</p> <p>Elem Elec Engr ECE 231/251L 4</p> <p>Instru Sys ECE 323/373L 4</p> <p>Engr Prob & Stat IME 312 3</p> <p>Undergrad Seminar IME 460 1</p> <p>An Geom/Calculus II MAT 115 4</p> <p>An Geom/Calculus III MAT 116 4</p> <p>Calc of Sev Var I MAT 214 3</p> <p>Calc of Sev Var II MAT 215 3</p> <p>Diff Equations MAT 216 4</p> <p>Vector Statics ME 214 3</p> <p>Vector Dynamics ME 215 4</p> <p>Strength Matls ME 218 3</p> <p>Fluid Mechanics ME 311 3</p> <p>General Physics PHY 132 3</p> <p>General Physics PHY 133/L 4</p>		<p>IGE 120 4</p> <p>IGE 121 4</p> <p>IGE 122 4</p> <p>IGE 220 4</p> <p>IGE 221 4</p> <p>IGE 222 4</p> <p>IGE 223 4</p> <p>IGE 224 4</p> <p>COM 216 4</p> <p>COM 204 4</p> <p>EC 201/202 4</p> <p>Area B 16</p> <p>Area C4 4</p> <p>Area D4 4</p>	<p>GENERAL EDUCATION COURSES</p> <p>Area A Communication and Critical Thinking–12 units</p> <p>1 ENG 104 4</p> <p>2 Oral Communication 4</p> <p>3 Critical Thinking 4</p> <p>Area B Math and Natural Sciences–16 units</p> <p>1 <u>MAT 114</u> 4</p> <p>2 <u>PHY 131/131L, 132L</u> 5</p> <p>3 Biological Science 3</p> <p>4 Science and Technology Synthesis* 4</p> <p>Area C Humanities– 16 units</p> <p>1 Fine/Performing Arts 4</p> <p>2 Philosophy and Civilization 4</p> <p>3 Literature and Foreign Language 4</p> <p>4 EGR 402 4</p> <p>Area D Social Sciences– 20 units</p> <p>1a PLS 201 4</p> <p>1b HST 202 4</p> <p>2 EC 201 or 202 4</p> <p>3 SOC/PLS 390 4</p> <p>4 EGR 403 4</p> <p>Area E Lifelong Understanding and Self-Development–4 units 4</p> <p><u>Underlined courses</u> satisfy both major and general requirements.</p> <p>*Department Approval Required</p>	
	UNITS REQUIRED:	76	UNITS REQUIRED:	58	UNITS REQUIRED:	68

SUMMARY OF ADVANCED STANDING CREDIT:
 Earned Hours _____
 G.P.A. Hours _____
 QualityPoints _____
 G.P.A. _____

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 _____

2003-2004

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									ME 311 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