



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

YEAR: 2001-2002

MAJOR **MANUFACTURING ENGINEERING (5450)**

NAME _____ LAST _____ FIRST _____ MI _____

UNITS REQUIRED **202**

STUDENT I.D. # _____

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.

CORE COURSES	Units	Course Taken	Grade	SUPPORT COURSES	Units	Course Taken	Grade	IGE	Units	Course Taken	Grade	GENERAL EDUCATION COURSES	Units	Course Taken	Grade	
<i>Students in this major are expected to achieve and maintain a GPA of at least 2.00 in all core courses.</i> Ind & Mfg Engr Fund IME 112 3 Ind & Mfg Engr Comp IME 113/L 3 Ind Costs & Cont IME 239 3 Prod Plng & Cont IME 326 3 Fac Plan Lay Des IME 331/L 4 Qual Cont Stat Methods IME 415 4 Sr Project IME 471 or IME 461 2 Sr Project IME 472 or IME 462 3 Engr Graphics I MFE 126/L 3 Mfg Processes - Mtls, Meth, Tract MFE 217/L 3 Mfg Processes I - Mtl Removal MFE 221/L 3 Engr Graphics II MFE 226/L 3 Mfg Processes II - Form, Cast, Join MFE 230/L 3 Meas & Meth MFE 320/L 4 Prod Engr MFE 326/L 4 Principles of Numerical Control MFE 350/L 3 CAD/CAM MFE 375/L 4 Intro CIM MFE 450/L 4 Metal Work Theory & Application MFE 465 3 Adv CAM Systems MFE 476/L 4 Indus Sys Simulation IE 429/L 4 Mfg Electives* 3 *Select with advisor approval				Gen Chem CHM 121/L 4 Gen Chem CHM 122/L 4 Elem Elec Engr ECE 231/251L 4 Elec Inst & Controls ECE 333/383L 4 Engr Prob & Stat IME 312 3 Undergrad Seminar IME 460 1 An Geom/Calculus II MAT 115 4 An Geom/Calculus III MAT 116 4 Calc of Sev Var I MAT 214 3 Calc of Sev Var II MAT 215 3 Diff Equations MAT 216 4 Vector Statics ME 214 3 Vector Dynamics ME 215 4 Strength Matls ME 218 3 Thermodynamics ME 301 4 Fluid Mechanics ME 311 3 General Physics PHY 132 3 General Physics PHY 133 3				IGE 120 4 IGE 121 4 IGE 122 4 IGE 220 4 IGE 221 4 IGE 222 4 IGE 223 4 IGE 224 4 COM 216 4 COM 204 4 EC 201/202 4 Area 2 16 Area 5 8				Area A Communication and Critical Thinking-12 units 1 Written Communication 4 2 Oral Communication 4 3 Critical Thinking 4 Area B Math and Natural Sciences-16 units <i>Select at least one lab course from sub-area 2 or 3.</i> 1 Mathematics and Quantitative Reasoning 4 2 Physical Science 4 3 Biological Science 4 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 <i>Two courses in sub-area 1, and at least one course from each of sub-areas 2, 3, and 4.</i> 1 U.S. History, Constitution, American Ideals 8 2 History, Economics, and Political Science 4 3 Sociology, Anthropology, Ethnic, and Gender Studies 4 4 Social Science Synthesis 4 Area E Lifelong Understanding and Self-Development-4 units GENERAL EDUCATION (above areas) 68 UNRESTRICTED ELECTIVES: 20				
	UNITS REQUIRED:	73			UNITS REQUIRED:	61			UNITS REQUIRED:	68						

SUMMARY OF ADVANCED STANDING CREDIT:

Earned Hours _____

G.P.A. Hours _____

Quality Points _____

G.P.A. _____

ELM Satisfied ___ Yes ___ No

EPT Satisfied ___ Yes ___ No

GWT Satisfied ___ Yes ___ No

EVALUATOR _____

DATE _____

UPDATES _____

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	MFE465 3	IE 429L 4	MFE 476L 4	IME 311 3	IME 415 4	MFE 450/L 4	ECE 323 ECE373L 4	IME 331L 4	Area D4 4	
IME 112 3			ME 214 3	ME 215 4	ME 218 3	MFE Eit. 4		IME 460 1													
		IME 113L 3																			
CHM 121L 4	CHM 122L 4							IME 326 3	Area C4 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											
				IME 301 3																	
MAT 114 4	MAT 115 4	MAT 116 4	MAT 214 3	MAT 215 3	MAT 216 4																
IGE 120 4	IGE 121 4	IGE 122 4	IGE 220 4		IGE 221 4			IGE 222 4	IGE224 4												
ENG 104 4	Area A2 4	Area A3 4	EC 201 or EC 202 4	Area B3 3	Area C1 4			Area C2 4	SOC/PLS 390 4	PLS 201 4											
18	19	18	17	16	18	14	14	17	16	19	16										

Total Units: 202