



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

YEAR: 2000-2001

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>				Gen Chem	CHM 121/L	4		IGE 120	4			Area 1 Comm in Eng Lang – 12 units			
				Gen Chem	CHM 122/L	4		IGE 121	4			1a ENG 104	4		
				Elem Elec Engr	ECE 231/251L	4		IGE 122	4			1b Elective	4		
				Elec Inst & Controls	ECE 333/383L	4		IGE 220	4			1c Elective	4		
Ind & Mfg Engr Fund	IME 112	3		Engr Prob & Stat	IME 312	3		IGE 221	4			Area 2 Science/Math – 16 units			
Ind & Mfg Engr Comp	IME 113/L	2		Undergrad Seminar	IME 460	2		IGE 222	4			2a MAT 114	4		
Ind Costs & Cont	IME 239	3		An Geom/Calculus II	MAT 115	4		IGE 223	4			2b PHY 131/L, 132L, 133L	6		
Prod Plng & Cont	IME 326	3		An Geom/Calculus III	MAT 116	4		IGE 224	4			2c Elective	3		
Fac Plan Lay Des	IME 331/L	4		Calc of Sev Var I	MAT 214	3		COM 216	4			2d IME 301 OR STA 309	3		
Qual Cont Stat Methods	IME 415	4		Calc of Sev Var II	MAT 215	3		COM 204	4			Area 3 Humanities/Social Sciences – 24 units			
Sr Project	IME 461	2		Diff Equations	MAT 216	4		EC 201/202	4			3a Elective	4		
Sr Project	IME 462	2		Vector Statics	ME 214	3		Area 2	16			3b Elective	4		
Engr Graphics I	MFE 126/L	3		Vector Dynamics	ME 215	4		Area 5	8			3c Elective	4		
Mfg Processes - Mtls, Meth, Tract	MFE 217/L	3		Strength Matls	ME 218	3						3d EC 201 or 202	4		
Mfg Processes I - Mtl Removal	MFE 221/L	3		Thermodynamics	ME 301	4						3e,f PLS 390/SOC 390*	4		
Engr Graphics II	MFE 226/L	3		Fluid Mechanics	ME 311	3						3g Elective	4		
Mfg Processes II - Form, Cast, Join	MFE 230/L	3		General Physics	PHY 132	3						Area 4 US Hst/Const/Ideals – 8 units			
Meas & Meth	MFE 320/L	4		General Physics	PHY 133	3						4a PLS 201	4		
Prod Engr	MFE 326/L	4										4b HST 202	4		
Principles of Numerical Control	MFE 350/L	3										Area 5 Upper Division GE – 8 units			
CAD/CAM	MFE 375/L	4										EGR 402	4		
Intro CIM	MFE 450/L	4										EGR 403	4		
Metal Work Theory & Application	MFE 465/L	3													
Adv CAM Systems	MFE 476/L	4													
Indus Sys Simulation	IE 429/L	4													
Mfg Electives*		4													
*Select with advisor approval															
UNITS REQUIRED: 72				UNITS REQUIRED: 62				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 _____

00-01

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 4	MFE 350/L 3	MFE 375L 4	MFE 461 2	MFE 462 2	EGR 403 4							
IME 112 3			ME 214 3	ME 215 4	ME 218 3	MFE ELT 4	IME 460 2		MFE465 3	IE 429L 4	MFE 476L 4							
		IME 113L 2						ME 301 4				ME 311 3						
CHM 121L 4	CHM 122L 4						IME 326 3		IME 415 4	MFE 450/L 4								
	PHY 131 4	PHY 132 4	PHY 133 4			IME 312 3	MFE 320 4	ECE 231 4	ECE 333 4			ECE 383L 4						
													IME 331L 4					
			STA 309 3															
MAT 114 4	MAT 115 4	MAT 116 4	MAT 214 3	MAT 215 3	MAT 216 4											EGR 402 4		
						Area 1b 4										Area 2c 3		
							Area 1c 4											
IGE 120 4	IGE 121 4	IGE 122 4	IGE 220 4		IGE 221 4				IGE 222 4	IGE224 4								
ENG 104 4	EC 201 or EC 202 4	Area 3c 4	Area 3e 4	Soc/Pls 390 4	Area 3g 4				PLS 210 4	HST 202 4						Area 3b 4		
18	19	17	17	17	18				15	18	14					16	18	15

Total Units: 202