



**DEGREE REQUIREMENT EVALUATION**

ELM Satisfied \_\_\_ Yes \_\_\_ No  
 EPT Satisfied \_\_\_ Yes \_\_\_ No  
 GWT Satisfied \_\_\_ Yes \_\_\_ No

California State Polytechnic University, Pomona

YEAR: 1997-98

MAJOR MANUFACTURING ENGINEERING (5450) NAME \_\_\_\_\_ EVALUATOR \_\_\_\_\_  
 OPTION \_\_\_\_\_ LAST FIRST M.I. DATE \_\_\_\_\_  
 UNITS REQUIRED 202 STUDENT ID NO. \_\_\_\_\_ UPDATES \_\_\_\_\_

*Students in this major are expected to achieve and maintain a GPA of at least 2.00 in all courses included in Column I.*

A. 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.

Column I	Column II	Column IIIa	Column IIIb
<u>CORE COURSES IN MAJOR</u>	<u>SUPPORT AND DIRECTED ELECTIVES</u>	<u>Interdis. G.E.</u>	<u>AREA 1 – 12 units</u> a) ENG 104 (4) b) Com 204 (4) c) ENG 105 or PHL 202 (4)
Ind & Mfg Engr Fund IME 112 3	Gen Chem CHM 121/L 4	IGE 120 4	<u>AREA 2 – 16 units</u> (must include one lab course; area 2d must be upper division)
Ind & Mfg Engr Comp IME 113/L 2	Gen Chem CHM 122/L 4	IGE 121 4	a) <u>MAT 114</u> (4) b) <u>PHY 131/151, 152L, 153L</u> (3,1,1,1) c) <u>BIO 110</u> (3)
Ind Costs & Cont IME 239 3	Elem Elec Engr ECE 231/251L 4	IGE 122 4	d) <u>IME 301 or STA 309</u> (3)
Prod Plng & Cont IME 326 3	Elec Inst & Controls ECE 333/383L 4	IGE 220 4	<u>AREA 3 – 24 units</u> Arts, Literature, Philosophy, and Foreign Languages
Fac Plan Lay Des IME 331/L 4	Engr Prob & Stat IME 312 3	IGE 221 4	a) Elective (4) b) Elective (4) c) UD OR LD Elective (4)
Qual Cont Stat Methods IME 415 4	Undergrad Seminar IME 460 2	IGE 222 4	Social, Political, and Economic Institutions
Sr Project IME 461 2	An Geom/Calculus II MAT 115 4	IGE 223 4	d) EC 201 or 202 (4) e, f) PLS 390/SOC 390 (4)*
Sr Project IME 462 2	An Geom/Calculus III MAT 116 4	IGE 224 4	Integrated Being
Engr Graphics I MFE 126/L 3	Calc of Sev Var I MAT 214 3	COM 204 4	g) Elective (4)
Mfg Processes - Mtls, Meth, Tract MFE 217/L 3	Calc of Sev Var II MAT 215 3	COM 216 4	<u>AREA 4 – 8 units</u> PLS 201 (4) and HST 202 (4)
Mfg Processes I - Mtl Removal MFE 221/L 3	Diff Equations MAT 216 4	EC 201 4	<u>AREA 5 – 8 units</u> (A total of 12 upper division units required in GE—four in Area 2d and eight in Area 5.)
Engr Graphics II MFE 226/L 3	Vector Statics ME 214 3	or EC 202	<u>EGR 402</u> (4) and <u>EGR 403</u> (4)
Mfg Processes II - Form, Cast, Join MFE 230/L 3	Vector Dynamics ME 215 4	Area 2-16 units (See Col IIIb)	*course satisfies two requirements
Meas & Meth MFE 320/L 4	Strength Matls ME 218 3	Area 5-8 units (See Col IIIb)	
Prod Engr MFE 326/L 4	Thermodynamics ME 301 4		
Principles of Numerical Control MFE 350/L 3	Fluid Mechanics ME 311 3		
CAD/CAM MFE 375/L 4	General Physics PHY 132 3		
Intro CIM MFE 450/L 4	General Physics PHY 133 3		
Metal Work Theory & Application MFE 465/L 3			
Adv CAM Systems MFE 476/L 4			
Mfg Electives* 5			
		Column III Units Required 68	
		<u>TRANSFER ELECTIVES</u>	<u>SUMMARY OF ADVANCED STANDING CREDIT:</u>
			Earned Hours _____
			G.P.A. Hours _____
			Quality Points _____
			G.P.A. _____
Column I Units Required 72	Column II Units Required 62		

\*Select with advisor approval

**MANUFACTURING ENGINEERING**

Name \_\_\_\_\_

97-98

**FRESHMAN**

Fall Winter Spring

MFE 126/L 3	MFE 228/L 3	IME 239 3
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IME 112 3	IME 113/L 2
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CHM 121/L 4	CHM 122/L 4
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PHY 131 PHY 151L 4	PHY 132 PHY 152L 4
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MAT 114 4	MAT 115 4	MAT 116 4
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IGE 120 4	IGE 121 4	IGE 122 4
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ENG 104 4	EC 201 or EC 202 4	Area 3c 4
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**SOPHOMORE**

Fall Winter Spring

MFE 217/L 3	MFE 221/L 3	MFE 230/L 3
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STA 309 or IME 301 4
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ME 214 3	ME 215 4	ME 218 3
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PHY 133 PHY 153L 4
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MAT 214 3	MAT 215 3	MAT 216 4
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COM 204 4
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IGE 220 4	IGE 221 4
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Area 3a 4	SOC/PLS 390 4	Area 3g 4
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**JUNIOR**

Fall Winter Spring

MFE 326/L 4	MFE 350/L 3	MFE 375/L 4
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IME 312 3	MFE Elect 2	IME 460 2
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IME 326 3	MFE Elect 3
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ME 301 4
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MFE 320 4	ECE 231 ECE 251L 4
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ENG 105 or PHL 202 4
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IGE 222 4	IGE 224 4
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PLS 201 4	HST 202 4
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**SENIOR**

Fall Winter Spring

MFE 461 2	MFE 462 2	EGR 403 4
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MFE 465 3	MFE 421 3	MFE 476/L 4
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IME 415 4	MFE 450/L 4
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ME 311 3
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ECE 333 ECE 383L 4
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IME 331/L 4
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EGR 402 4
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BIO 110 3
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Area 3b 4
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Total Units: 202