



DEGREE REQUIREMENT EVALUATION

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

California State Polytechnic University, Pomona

YEAR: 1998-99

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) <u>AREA 2 – 16 units</u> (must include one lab course; area 2d must be upper division) a) MAT 114 (4) b) PHY 131/151, 152L, 153L (3,1,1,1) c) BIO 100 (3) d) IME 301 or STA 309 (3) <u>AREA 3 – 24 units</u> Arts, Literature, Philosophy, and Foreign Languages a) Elective (4) b) Elective (4) c) UD OR LD Elective (4) Social, Political, and Economic Institutions d) EC 201 or 202 (4) e, f) PLS 390/SOC 390 (4)* Integrated Being g) Elective (4) <u>AREA 4 – 8 units</u> PLS 201 (4) and HST 202 (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.) EGR 402 (4) and EGR 403 (4) *course satisfies two requirements
Ind & Mfg Engr Fund IME 112 3 Ind & Mfg Engr Comp IME 113/L 2 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 461 2 Sr Project IME 462 2 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/L 3 Adv CAM Systems MFE 476/L 4 Indus Sys Simulation IE 429/L 4 Mfg Electives* 4	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 2 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 204 4 COM 216 4 EC 201 4 or EC 202 Area 2-16 units (See Col IIIb) Area 5-8 units (See Col IIIb)	Column III Units Required 68 <u>TRANSFER ELECTIVES</u> SUMMARY OF ADVANCED STANDING CREDIT: Earned Hours _____ G.P.A. Hours _____ Quality Points _____ G.P.A. _____
*Select with advisor approval Column I Units Required 72	Column II Units Required 62		

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.
 ALL SPEAKERS OF ENGLISH AS A SECOND LANGUAGE WHO HAVE NOT ACHIEVED THE MINIMUM EPT SCORE FOR ENGLISH 104 MUST TAKE ENGLISH 102 AND 103.
 A 2.0 CUMULATIVE GPA IS REQUIRED IN CORE COURSES INCLUDING OPTION COURSES IN ORDER TO RECEIVE A DEGREE IN THIS MAJOR. F-105-17 Rev. 2/98

MANUFACTURING ENGINEERING

Name _____

98-99

FRESHMAN

Fall Winter Spring

MFE 126/L 3	MFE 226/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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18 19 17

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

ME 214 3	ME 215 4	ME 216 3
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PHY 133 PHY 153L 4

MAT 214 3	MAT 215 3	MAT 216 4
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COM 204 4

IGE 220 4	IGE 221 4
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Area 3a 4	SOC/PLS 390 4	Area 3g 4
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17 17 18

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 4	IME 460 2
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IME 326 3

ME 301 4

MFE 320 4	ECE 231 ECE 251L 4
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ENG 105 or PHL 202 4

IGE 222 4	IGE224 4
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PLS 201 4	HST 202 4
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15 18 14

SENIOR

Fall Winter Spring

MFE 461 2	MFE 462 2	EGR 403 4
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MFE 465 3	IE 429/L 4	MFE 476/L 4
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IME 415 4	MFE 450/L 4
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ME 311 3

ECE 333 ECE 363L 4

IME 331/L 4

EGR 402 4

BIO 110 3

Area 3b 4

16 18 15

Total Units: 202