



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

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

MAJOR (PLAN) **MECHANICAL ENGINEERING**

OPTION/EMPHASIS (SUB-PLAN) _____

UNITS REQUIRED **198**

NAME _____
 LAST FIRST MI
 STUDENT I.D. # _____

TERM ADMITTED _____ YEAR: **2005-2006**
 EVALUATOR _____
 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.	Units
<i>Students in this major are expected to <u>maintain</u> a GPA of at least 2.00 in all core courses.</i>		Gen Chem CHM 122 3 Elem of Elec Engr ECE 231/231L 4 Mfg. Sys. Processes MFE 201/L 4 Engr. Graphics I MFE 126/L 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 ME 231 4 EC 201/202 4 Area B 16 Area C4 4 Area D4 4	GENERAL EDUCATION COURSES Area A Communication and Critical Thinking–12 units 1 ENG 104 4 2 COM 204 4 3 ME 231 4 Area B Math and Natural Sciences–16 units 1 <u>MAT 114</u> 4 2 <u>CHM 121/121L, 122L</u> 5 3 BIO 110 3 4 EGR 481, 482 4 Area C Humanities– 16 units 1 Fine/Performing Arts 4 2 Philosophy and Civilization 4 3 Literature and Foreign Language 4 4 EGR 402 4 Area D Social Sciences– 20 units 1a PLS 201 4 1b HST 202 4 2 EC 201 or 202 4 3 SOC/PLS 390 4 4 EGR 403 4 Area E Lifelong Understanding and Self-Development–4 units* 4 Underlined courses satisfy both major and general education requirements. *Department Approval Required	
Mech Engr. Orient ME 100L 1 Vector Statics ME 214 3 Mechanics Lab ME 224L 1 Vector Dynamics ME 215 4 Strength Mtls ME 218 3 Strength Mtls ME 219 3 Strength Mtls Lab ME 220L 1 Engr. Digital Comp ME 232/A 3 Intro to Mech Design ME 233/L 4 Thermodynamics ME 301 4 Thermodynamics ME 302 4 Fluid Mechanics ME 311 3 Fluid Mechanics ME 312 3 Fluid Mechanics ME 313L 1 Engg Materials ME 315 4 Intern. Vector Dynamics ME 316 3 Stress Analysis ME 319 4 Machine Design ME 325/L 4 Modeling of Systems ME 340 3 Mtls Design Lab ME 350L 1 Finite Element Analysis ME 406/A 4 Heat Transfer ME 415 4 Air Conditioning ME 418/L 4 or Thermal Systems Design ME 427 4 Adv. Engr. Meas. ME 435/L 4 Control of Mechanical Systems ME 439/L 4 An Geom/Calculus II MAT 115 4 An Geom/Calculus III MAT 116 4 Calc of Sev Variables I MAT 214 3 Calc of Sev Variables II MAT 215 3 Diff Equations MAT 216 4 General Physics PHY 131/L 4 General Physics PHY 133/L 4 **Technical Electives 13 **Select from dept's list with advisor's approval.						
UNITS REQUIRED: 116		UNITS REQUIRED: 14		UNITS REQUIRED: 68		

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

