



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

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

MAJOR **MECHANICAL ENGINEERING (5500)**

OPTION/EMPHASIS \_\_\_\_\_

UNITS REQUIRED **202**

NAME \_\_\_\_\_  
 LAST FIRST MI

STUDENT I.D. # \_\_\_\_\_

TERM ADMITTED \_\_\_\_\_ YEAR: **2003-2004**

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	IGE 120	4
Mech Engr. Orient	ME 100L	Elem of Elec Engr	ECE 231/251L	4	IGE 121	4
Vector Statics	ME 214	Mfg. Sys. Processes	MFE 201/L	4	IGE 122	4
Mechanics Lab	ME 224L	Engr. Graphics I	MFE 126/L	3	IGE 220	4
Vector Dynamics	ME 215				IGE 221	4
Strength Mtls	ME 218				IGE 222	4
Strength Mtls	ME 219				IGE 223	4
Strength Mtls Lab	ME 220L				IGE 224	4
Engr. Digital Comp	ME 232/A				COM 204	4
Intro to Mech Design	ME 233/L				ME 231	4
Thermodynamics	ME 301				EC 201/202	4
Thermodynamics	ME 302				Area B	16
Fluid Mechanics	ME 311				Area C4	4
Fluid Mechanics	ME 312				Area D4	4
Fluid Mechanics	ME 313L					
Engg Materials	ME 315					
Interm. Vector Dynamics	ME 316					
Stress Analysis	ME 319					
Machine Design	ME 325/L					
Modeling of Systems	ME 340					
Mtls Design Lab	ME 350L					
Heat Transfer	ME 415					
Air Conditioning	ME 418/L					
or Thermal Systems Design	ME 427					
Adv. Engr. Meas.	ME 435/L					
Control of Mechanical Systems	ME 439/L					
Undergrad Seminar	ME 463					
An Geom/Calculus II	MAT 115					
An Geom/Calculus III	MAT 116					
Calc of Sev Variables I	MAT 214					
Calc of Sev Variables II	MAT 215					
Diff Equations	MAT 216					
General Physics	PHY 131/L					
General Physics	PHY 132/L					
General Physics	PHY 133/L					
**Technical Electives						15
**Select from dept's list with advisor's approval.						
		<b>SUMMARY OF ADVANCED STANDING CREDIT:</b> Earned Hours _____ G.P.A. Hours _____ Quality Points _____ G.P.A. _____				
<b>UNITS REQUIRED: 120</b>		<b>UNITS REQUIRED: 14</b>		<b>UNITS REQUIRED: 68</b>		

**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 MAT 114 4
- 2 CHM 121/121L, 122L 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/LS 390 4
- 4 EGR 403 4

**Area E Lifelong Understanding and Self-Development--4 units\***

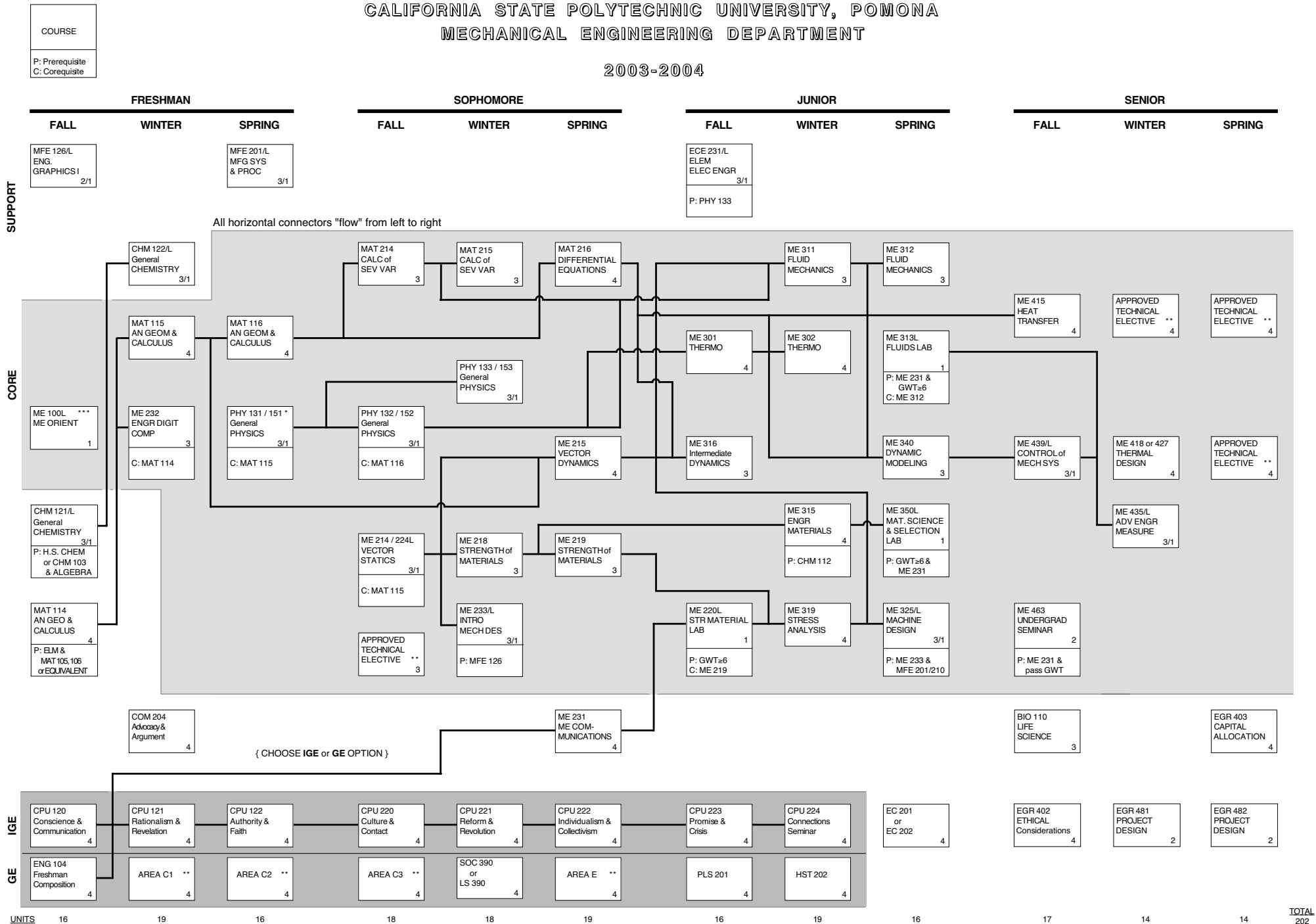
Underlined courses satisfy both major and general education requirements.

\*Department Approval Required

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.

# CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA MECHANICAL ENGINEERING DEPARTMENT

2003-2004



\* PHYSICS 131 SHOULD BE TAKEN NO LATER THAN SPRING QUARTER OF THE FRESHMAN YEAR  
 \*\* SEE LISTS OF APPROVED COURSES IN THESE AREAS  
 \*\*\* ALL STUDENTS MUST TAKE ME 100 DURING THE 1st FALL QUARTER AFTER ENTERING THE ME DEPARTMENT