



DEGREE REQUIREMENT EVALUATION

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

YEAR: 1996-97

California State Polytechnic University, Pomona

MAJOR **MECHANICAL ENGINEERING (5500)**
 OPTION _____
 UNITS REQUIRED 202

NAME _____
LAST FIRST M.I.
 STUDENT ID NO. _____

EVALUATOR _____
 DATE _____
 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.

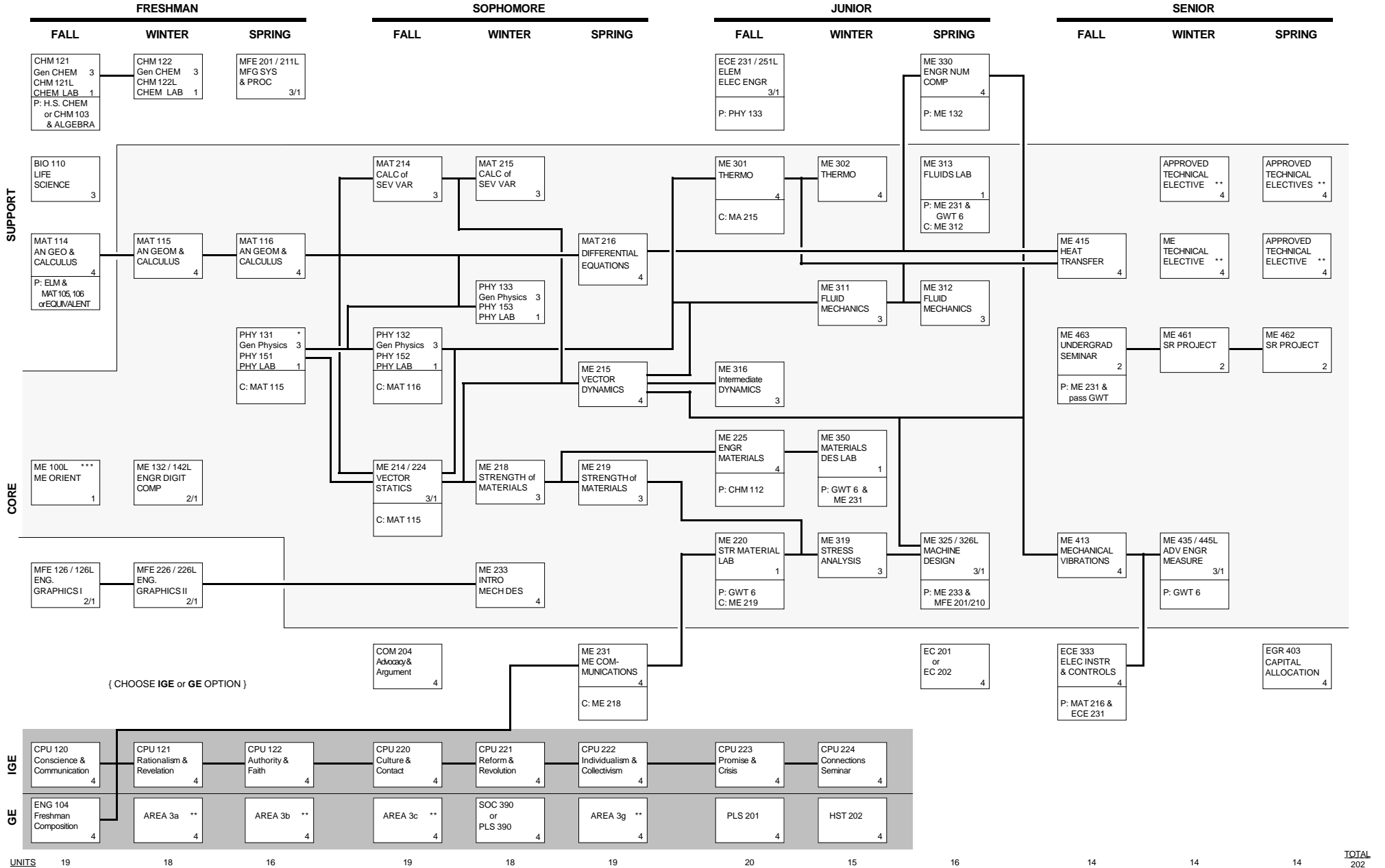
GENERAL EDUCATION (68 units) Pick curriculum of study from either Interdisciplinary G.E. (Column IIIa) or Areas 1 through 5 (Column IIIb). Underlined courses satisfy both major and G.E. requirements.

Column I	Column I (con't)	Column IIIa	Column IIIb
CORE COURSES IN MAJOR	REQUIRED OPTION COURSES	Interdis. G.E.	AREA 1 – 12 units
Mech Engr. Orient ME 100L 1	Vector Statics Lab ME 214L 1	IGE 120 4	a) ENG 104 (4) b) COM 204 (4) c) <u>ME 231</u> (4)
Engg Digital Comp ME 132/142L 3	Interm. Vector Dynamics ME 316 3	IGE 121 4	AREA 2 – 16 units (must include one lab course; area 2d must be upper division)
Vector Statics ME 214 3	Machine Design ME325/335L 4	IGE 122 4	a) <u>MAT 114</u> (4) b) <u>CHM 111, 151L, 152L</u> (3,1,1)
Vector Dynamics ME 215 4	*ME Technical Elc ME XXX 4	IGE 220 4	c) Bio 110 (3) d) <u>ME 330</u> (4)
Strength Mtls ME 218 3	*Technical Electives 12	IGE 221 4	AREA 3 – 24 units
Strength Mtls Lab ME 220L 1	*Select from dept's list with advisor's approval.	IGE 222 4	Arts, Literature, Philosophy, and Foreign Languages
Engg Materials ME 225 4		IGE 223 4	a) Elective (4) b) Elective (4) c) UD or LD Elective (4)
Intro to Mech Design ME 233/L 4		IGE 224 4	Social, Political, and Economic Institutions
Thermodynamics ME 301 4		COM 204 4	d) EC 201 or 202 (4) e, f) <u>PLS 390/SOC 390</u> (4)*
Thermodynamics ME 302 4		EC 201 4	
Fluid Mechanics ME 311 3	Column II	or EC 202	
Fluid Mechanics ME 312/313L 4	Support and Directed Electives	<u>ME 231</u> 4	
Stress Analysis ME 319 4	Gen Chem CHM 122 3	Area 2-16 units (See Col IIIb)	Integrated Being
Mtls Design Lab ME 350L 1	Elem of Elec Engr ECE 231/251L 4	Area 5-8 units (See Col IIIb)	g) Elective (4)
Mech vibrations ME 413 4	Mfg. Sys. Processes MFE 201/211L 4		AREA 4 – 8 units
Heat Transfer ME 415 4	Engr. Graphics I MFE 126/L 3		<u>PLS 201</u> (4) and <u>HST 202</u> (4)
Adv. Engr. Meas. ME 435/445L 4	Engr. Graphics II MFE 226/L 3		AREA 5 – 8 units (A total of 12 upper division units required in GE—four in Area 2d and eight in Area 5.)
Senior Project ME 461 2			<u>ECE 333/383L</u> (4), <u>EGR 403</u> (4)
Senior Project ME 462 2			*course satisfies two requirements
Undergrad Seminar ME 463 2			
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 131/151L 4			
General Physics PHY 132/152L 4			
General Physics PHY 133/153L 4			
Column I Units Required 117	Column II Units Required 17	Column III Units Required 68	
		TRANSFER ELECTIVES	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.
 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-105-15 Rev. 2/96

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
MECHANICAL ENGINEERING DEPARTMENT
MECHANICAL ENGINEERING OPTION CURRICULUM
1996-97

COURSE
P: Prerequisite
C: Corequisite



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