



DEGREE REQUIREMENT EVALUATION

California State Polytechnic University, Pomona

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

YEAR: 1999-2000

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.

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.

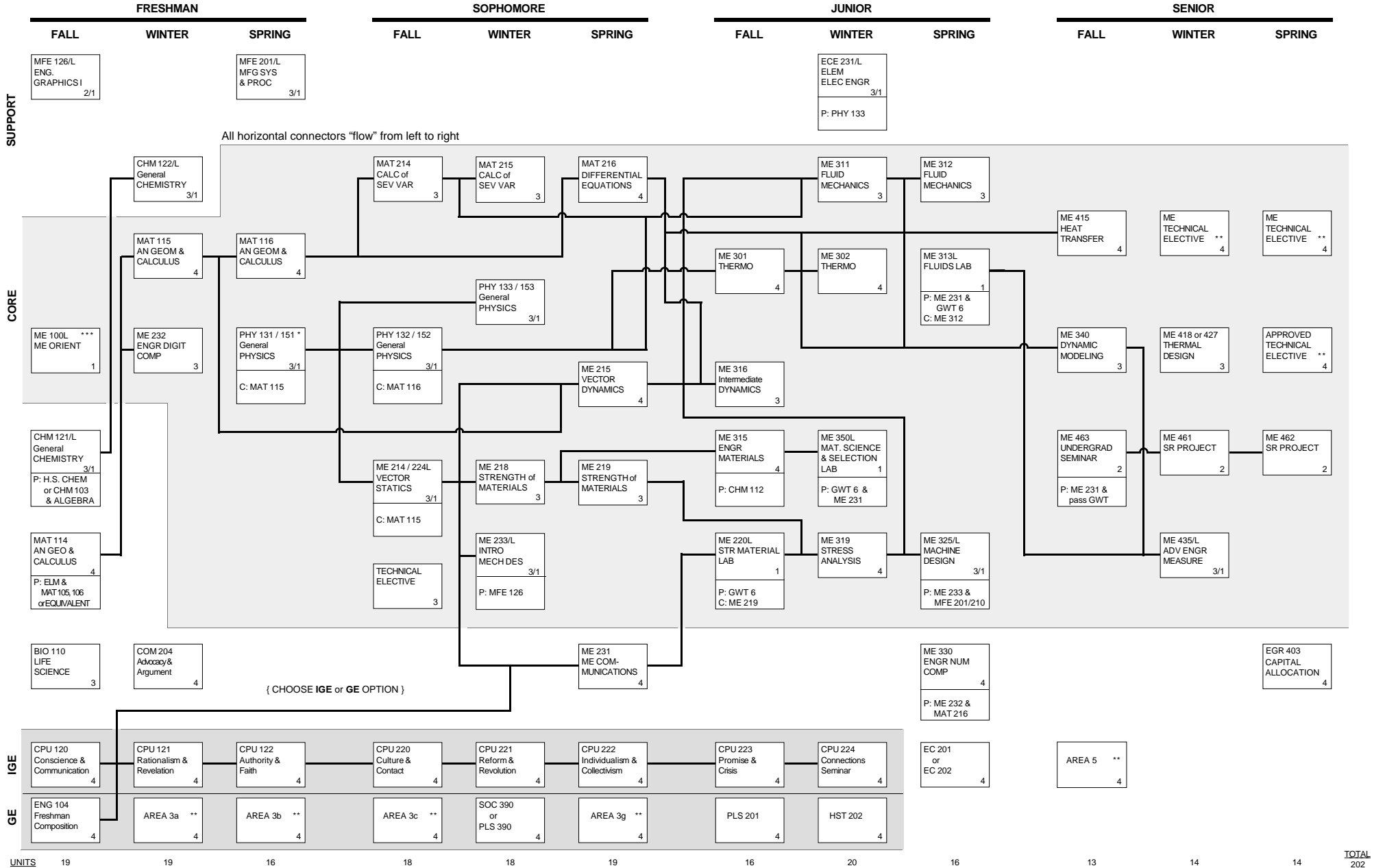
Column I	Column II	Column IIIa	Column IIIb
CORE COURSES IN MAJOR		<u>Interdis. G.E.</u>	AREA 1 – 12 units
Mech Engr. Orient ME 100L 1	<u>Support and Directed Electives</u>	IGE 120 4	a) ENG 104 (4) b) COM 204 (4) c) ME 231 (4) or Elective
Vector Statics ME 214 3	Gen Chem CHM 122 3	IGE 121 4	AREA 2 – 16 units (must include one lab course; area 2d must be upper division)
Vector Statics Lab ME 224L 1	Elem of Elec Engr ECE 231/251L 4	IGE 122 4	a) <u>MAT 114</u> (4) b) <u>CHM 121/L, 122L</u> (3,1,1)
Vector Dynamics ME 215 4	Mfg. Sys. Processes MFE 201/211L 4	IGE 220 4	c) Elective (3) d) <u>ME 330</u> (4)
Strength Mtls ME 218 3	Engr. Graphics I MFE 126/L 3	IGE 221 4	AREA 3 – 24 units
Strength Mtls Lab ME 219 3		IGE 222 4	Arts, Literature, Philosophy, and Foreign Languages
Strength Mtls Lab ME 220L 1		IGE 223 4	a) Elective (4) b) Elective (4) c) Elective (4)
Engr. Digital Comp ME 232 3		IGE 224 4	Social, Political, and Economic Institutions
Intro to Mech Design ME 233/L 4		COM 204 4	d) EC 201 or 202 (4) e, f) <u>PLS 390/SOC 390</u> (4)*
Thermodynamics ME 301 4		EC 201 4	Integrated Being
Thermodynamics ME 302 4		or EC 202	g) Elective (4)
Fluid Mechanics ME 311 3		ME 231 4	AREA 4 – 8 units
Fluid Mechanics ME 312 3		Area 2-16 units (See Col IIIb)	PLS 201 (4) and HST 202 (4)
Fluid Mechanics ME 313L 1		Area 5-8 units (See Col IIIb)	AREA 5 – 8 units (A total of 12 upper division units required in GE—four in Area 2d and eight in Area 5.)
Engg Materials ME 315 4			Elective (4), <u>EGR 403</u> (4)
Interm. Vector Dynamics ME 316 3			*course satisfies two requirements
Stress Analysis ME 319 4			<u>Underlined courses</u> satisfy both major and general education requirements.
Machine Design ME 325/L 4			
Modeling of Systems ME 340 3			
MtIs Design Lab ME 350L 1			
Heat Transfer ME 415 4			
Thermal Design ME 418 4			
or ME 427			
Adv. Engr. Meas. ME 435/L 4			
Senior Project ME 461/462 4			
or ME 460 or ME 471/472/473			
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			
*Technical Electives 15			
*Select from dept's list with advisor's approval.			
Column I Units Required 120	Column II Units Required 14	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.

**CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
MECHANICAL ENGINEERING DEPARTMENT**

1999-2000

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
 *** ALL STUDENTS SHOULD TAKE ME 100 DURING THE 1st FALL QUARTER AFTER ENTERING THE ME DEPARTMENT