



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

YEAR: 2000-2001

MAJOR **MECHANICAL ENGINEERING (5500)**

NAME _____ LAST _____ FIRST _____ MI _____

UNITS REQUIRED **202**

STUDENT I.D. # _____

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.

CORE COURSES	Units	Course Taken	Grade	SUPPORT COURSES	Units	Course Taken	Grade	IGE	Units	Course Taken	Grade	GENERAL EDUCATION COURSES	Units	Course Taken	Grade
<i>Students in this major are expected to achieve and maintain a GPA of at least 2.00 in all core courses.</i>				Gen Chem	CHM 122	3		IGE 120	4			Area 1 Comm in Eng Lang – 12 units			
				Elem of Elec Engr	ECE 231/251L	4		IGE 121	4			1a ENG 104	4		
				Mfg. Sys. Processes	MFE 201/L	4		IGE 122	4			1b COM 204	4		
				Engr. Graphics I	MFE 126/L	3		IGE 220	4			1c ME 231 or Elective	4		
Mech Engr. Orient	ME 100L	1						IGE 221	4			Area 2 Science/Math – 16 units			
Vector Statics	ME 214	3						IGE 222	4			2a MAT 114	4		
Vector Statics Lab	ME 224L	1						IGE 223	4			2b CHM 121/L, 122L	5		
Vector Dynamics	ME 215	4						IGE 224	4			2c Elective	3		
Strength Mtls	ME 218	3						COM 204	4			2d ME 330	4		
Strength Mtls	ME 219	3						ME 231	4			Area 3 Humanities/Social Sciences – 24 units			
Strength Mtls Lab	ME 220L	1						or				3a Elective	4		
Engr. Digital Comp	ME 232	3						Elective				3b Elective	4		
Intro to Mech Design	ME 233/L	4						EC 201/202	4			3c Elective	4		
Thermodynamics	ME 301	4						Area 2	16			3d EC 201 or 202	4		
Thermodynamics	ME 302	4						Area 5	8			3e,f PLS 390/SOC 390*	4		
Fluid Mechanics	ME 311	3										3g Elective	4		
Fluid Mechanics	ME 312	3										Area 4 US Hst/Const/Ideals – 8 units			
Fluid Mechanics	ME 313L	1										4a PLS 201	4		
Engg Materials	ME 315	4										4b HST 202	4		
Interm. Vector Dynamics	ME 316	3										Area 5 Upper Division GE – 8 units			
Stress Analysis	ME 319	4										Elective	4		
Machine Design	ME 325/L	4										<u>EGR 403</u>	4		
Modeling of Systems	ME 340	3													
Mtls Design Lab	ME 350L	1													
Heat Transfer	ME 415	4													
Air Conditioning	ME 418/L	4													
or Thermal Systems Design	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/L	4													
General Physics	PHY 132/L	4													
General Physics	PHY 133/L	4													
*Technical Electives		15													
*Select from dept's list with advisor's approval.															
UNITS REQUIRED:	120			UNITS REQUIRED:	14			UNITS REQUIRED:	68						

SUMMARY OF ADVANCED STANDING CREDIT:

Earned Hours _____

G.P.A. Hours _____

Quality Points _____

G.P.A. _____

ELM Satisfied ___ Yes ___ No

EPT Satisfied ___ Yes ___ No

GWT Satisfied ___ Yes ___ No

EVALUATOR _____

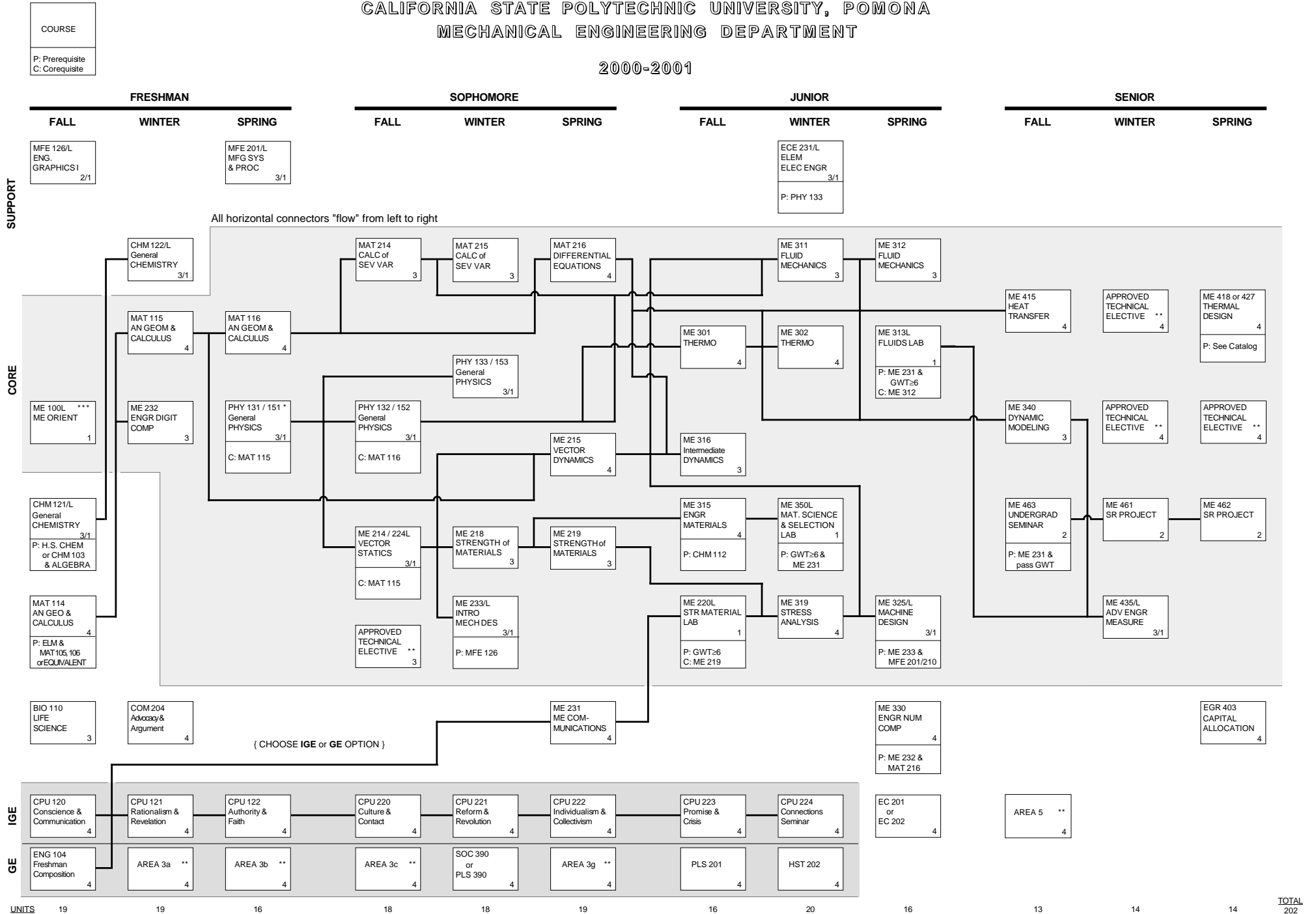
DATE _____

UPDATES _____

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

MECHANICAL ENGINEERING DEPARTMENT

2000-2001



* 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