



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

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

MAJOR **ELECTRICAL ENGINEERING (5360)** NAME _____
 OPTION/EMPHASIS _____ LAST _____ FIRST _____ MI _____
 UNITS REQUIRED **202** STUDENT I.D. # _____

TERM ADMITTED _____ YEAR: **2004-2005**
 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.
<i>Students in this major are expected to maintain a GPA of at least 2.00 in all core courses.</i>		Gen Chemistry	CHM 121/121L	4	IGE 120 4
Intro to EE	ECE 109/109L 4	Anal Geom/Calculus II	MAT 115	4	IGE 121 4
C for Engineers	ECE 114/114L 4	Anal Geom/Calculus III	MAT 116	4	IGE 122 4
Intro to Combinational Logic	ECE 204/204L 4	Calculus Sev Var I	MAT 214	3	IGE 220 4
Intro to Sequential Logic	ECE 205/205L 4	Calculus Sev Var II	MAT 215	3	IGE 221 4
Network Analysis I	ECE 207/207L 4	Diff Equations	MAT 216	4	IGE 222 4
Network Analysis II	ECE 209/209L 4	Mechanics for ECE Majors	ME 217	4	IGE 223 4
Electronic Devices & Cir	ECE 220/220L 5	Materials Science & Engineering	MTE 208	3	IGE 224 4
Object-Oriented Prog.	ECE 256 4	Gen Physics	PHY 132	3	COM 204 4
Electromagnetic Fields	ECE 302 4	Gen Physics	PHY 133/L	4	<u>ECE 311</u> 4
Network Analysis III	ECE 307 3				EC 201/202 4
Intro Disc Time Sig Sys	ECE 308 4				Area B 16
Comp Simulation of Dyn Sys	ECE 308L 1				Area C4 4
Control Systems Engr	ECE 309/309L 5				Area D4 4
Intro Pwr Engineering	ECE 310/310L 5				
Prob, Stats, & Random Processes for ECE	ECE 315 4				
Lin Act Circ Design	ECE 320/320L 4				
Intro Semicond Dev	ECE 330 3				
Intro to Microcontrollers	ECE 341/341L 4				
Commun Systems	ECE 405/405L 5				
Prof. Aware	ECE 464 1				
Team Project	ECE 467 1				
**ECE U.D. Elec	21				
**Select from department's specified program of electives list with advisor's approval.					
		SUMMARY OF ADVANCED STANDING CREDIT: Earned Hours _____ G.P.A. Hours _____ Quality Points _____ G.P.A. _____			
UNITS REQUIRED: 98		UNITS REQUIRED: 36			GENERAL EDUCATION COURSES Area A Communication and Critical Thinking–12 units 1 ENG 104 4 2 COM 204 4 3 ECE 311 or Elective 4 Area B Math and Natural Sciences–16 units 1 <u>MAT 114</u> 4 2 <u>PHY 131/131L, 132L</u> 5 3 Biological Science 3 4 <u>EGR 481, 482</u> 4 Area C Humanities– 16 units 1 Fine/Performing Arts 4 2 Philosophy and Civilization 4 3 Literature and Foreign Language 4 4 <u>EGR 402</u> 4 Area D Social Sciences– 20 units 1a PLS 201 4 1b HST 202 4 2 EC 201 or 202 4 3 PLS/SOC 390 4 4 Social Science Synthesis* 4 Area E Lifelong Understanding and Self-Development–4 units 4 <u>Underlined courses</u> satisfy both major and general education requirements. *Department Approval Required
UNITS REQUIRED: 98		UNITS REQUIRED: 36			UNITS REQUIRED: 68

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.

Electrical Engineering Curriculum Flow Chart

Year 2004/2005

Name: _____

