



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

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

MAJOR **ELECTRICAL ENGINEERING (5360)**

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.																																																																								
<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	<table border="1"> <thead> <tr> <th colspan="2">GENERAL EDUCATION COURSES</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td colspan="3">Area A Communication and Critical Thinking–12 units</td> </tr> <tr> <td>1</td> <td>ENG 104</td> <td>4</td> </tr> <tr> <td>2</td> <td>COM 204</td> <td>4</td> </tr> <tr> <td>3</td> <td>ECE 311 or Elective</td> <td>4</td> </tr> <tr> <td colspan="3">Area B Math and Natural Sciences–16 units</td> </tr> <tr> <td>1</td> <td><u>MAT 114</u></td> <td>4</td> </tr> <tr> <td>2</td> <td><u>PHY 131/131L, 132L</u></td> <td>5</td> </tr> <tr> <td>3</td> <td>Biological Science</td> <td>3</td> </tr> <tr> <td>4</td> <td><u>EGR 481, 482</u></td> <td>4</td> </tr> <tr> <td colspan="3">Area C Humanities– 16 units</td> </tr> <tr> <td>1</td> <td>Fine/Performing Arts</td> <td>4</td> </tr> <tr> <td>2</td> <td>Philosophy and Civilization</td> <td>4</td> </tr> <tr> <td>3</td> <td>Literature and Foreign Language</td> <td>4</td> </tr> <tr> <td>4</td> <td><u>EGR 402</u></td> <td>4</td> </tr> <tr> <td colspan="3">Area D Social Sciences– 20 units</td> </tr> <tr> <td>1a</td> <td>PLS 201</td> <td>4</td> </tr> <tr> <td>1b</td> <td>HST 202</td> <td>4</td> </tr> <tr> <td>2</td> <td>EC 201 or 202</td> <td>4</td> </tr> <tr> <td>3</td> <td>PLS/SOC 390</td> <td>4</td> </tr> <tr> <td>4</td> <td>Social Science Synthesis*</td> <td>4</td> </tr> <tr> <td colspan="3">Area E Lifelong Understanding and Self-Development–4 units</td> </tr> <tr> <td colspan="3"><u>Underlined courses</u> satisfy both major and general education requirements.</td> </tr> <tr> <td colspan="3">*Department Approval Required</td> </tr> </tbody> </table>	GENERAL EDUCATION COURSES		Units	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			<u>Underlined courses</u> satisfy both major and general education requirements.			*Department Approval Required		
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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 Digital Sys I ECE 204/204L	5	Calculus Sev Var I MAT 214	3	IGE 220 4																																																																									
Network Analysis I ECE 207/207L	4	Calculus Sev Var II MAT 215	3	IGE 221 4																																																																									
Network Analysis II ECE 209/209L	4	Diff Equations MAT 216	4	IGE 222 4																																																																									
Electronic Devices & Cir ECE 220/220L	4	Mechanics for ECE Majors ME 217	4	IGE 223 4																																																																									
Object-Oriented Prog. ECE 256	4	Materials Science & Engineering MTE 208	3	IGE 224 4																																																																									
Elecromagnetic Fields ECE 302	4	Gen Physics PHY 132	3	COM 204 4																																																																									
Network Analysis III ECE 307/307L	4	Gen Physics PHY 133/L	4	<u>ECE 311</u> 4																																																																									
Intro Disc Time Sig Sys ECE 308	4			EC 201/202 4																																																																									
Control Systems Engr ECE 309/309L	5			Area B 16																																																																									
Intro Pwr Engineering ECE 310/310L	5			Area C4 4																																																																									
Intro to Commun Engineering ECE 315	4			Area D4 4																																																																									
Lin Act Circ Design ECE 320/320L	4																																																																												
Intro Semicond Dev ECE 330	3																																																																												
Computer Engr I ECE 341/341L	5																																																																												
Commun Systems ECE 405/405L	5																																																																												
Prof. Aware ECE 464	(1)																																																																												
Team Project ECE 465	(1)																																																																												
**ECE U.D. Elec	24																																																																												
**Select from department's specified program of electives list with advisor's approval.																																																																													
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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.

Year 2003/2004

ECE CURRICULUM FLOW CHART

NAME: _____

	1F	1W	1S		2F	2W	2S		3F	3W	3S		4F	4W	4S	
	FALL	WINTER	SPRING		FALL	WINTER	SPRING		FALL	WINTER	SPRING		FALL	WINTER	SPRING	
1			^{1F5} ECE 109/109L 4			^{1S1,1W1,2F5/6} ECE 207 3	^{2W1} ECE 209 3		^{2S1} ECE 307 3	^{3F1} ECE 309 4	^{3F1, 2S5} ECE 315 4		^{3S1} ECE 405 4 _{3W1}	^{4F1} ECE 405L 1	ECE ELECT 4	
2	AREA B3 3						^{2W1} ECE 207L 1		^{2S1/2} ECE 209L 1	^{3F1} ECE 307L 1	^{3W1} ECE 309L 1		EGR402 4	Area D4 4	ECE ELECT 4	
3	CHM 121/121L 3 _{1F4}				^{1S5, 1W6} ME 217 4	^{1W2} ECE 256 4	^{2W1,2F5/6, 1F3} ECE 220 3 _{2S}		^{1S2,2S3} ECE 220L 1	^{2S1, 2S3} ECE 320 3	^{3W3} ECE 320L 1		^{2S3, 2S6, 3S4} ECE 330 3	ECE ELECT 4	ECE ELECT 4	
4		^{1F5} ECE 114/114L 4				^{1S1/2, 1W4} ECE 204 4	^{2W4, 1S2} ECE 204L 1		^{2W4, 2S4, 2S3} ECE 341/341L 5	^{3F1} ECE 308 4	^{2F5, 2F6, 2S5} ECE 302 4			ECE ELECT 4		
5	MDPT MAT 114 4	^{1F5} MAT 115 4	^{1W5} MAT 116 4		^{1S5} MAT 216 4	^{2F5, 1S5} MAT 214 3	^{2W5} MAT 215 3						ECE ELECT 4	^{GWT} ECE 463 or 464/465 2	^{4F5} ECE 481 2	^{4W5} ECE 482 2
6		^{1F5} PHY 131/131L 3	^{1W6} PHY 132/132L 3		^{1W6} PHY 133/133L 3		^{1F3, 1W6, 1S5} MTE 208 3		^{2S1} ECE 310 4	^{3F6} ECE 310L 1			SOC 390 / PLS 390 4	PRE-REQ COURSE# / units CO-REQ.	AREA E 4	
GE	^{EPT} ENG 104 4	AREA C1 4	AREA C2 4		EC201 or EC202 4	COM 204 4	AREA C3 4		PLS 201 4	HST 202 4	ECE 311/ ENG 105 / PHL 202 4		WILL TAKE NEXT QTR	TAKING NOW	HAVE PASSED	
	15	16	16		16	18 18	18		17	18	17		15	18		

Integrated GE sequence may be substituted for GE courses. See reverse side.