



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

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

MAJOR **ELECTRONICS AND COMPUTER
ENGINEERING TECHNOLOGY (5280)**
 UNITS REQUIRED **202**

NAME _____
 LAST FIRST MI
 STUDENT I.D. # _____

TERM ADMITTED _____ YEAR: **2004-2005**
 EVALUATOR _____
 DATE _____
 UPDATES _____

CORE COURSES	Units	CORE COURSES (cont.)	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.	
<p><i>Students in this major are expected to <u>maintain</u> a GPA of at least 2.00 in all core courses.</i></p> <p>Computer Application for ET/Lab ETT 101/L 3</p> <p>Applied Statics ETT 210 3</p> <p>Applied C Programming ETT 215/L 4</p> <p>Senior Project I ETT 461 2</p> <p>Senior Project II ETT 462 2</p> <p>College Physics PHY 122 3</p> <p>College Physics/Lab PHY 123/L 4</p> <p>General Chemistry/Lab CHM 121/L 4</p> <p>Technical Calculus II MAT 131 4</p> <p>Technical Calculus III MAT 132 4</p> <p>Applied Dynamics ETT 211 3</p> <p>Materials Science for ET ETT217 3</p> <p>UD Technology Electives* ETE XXX 12</p> <p>Technical Electives ** 8</p> <p>CAD Elective*** 3</p> <p>**May include College Alg & Trig if taken before Calculus, Consult Department Advisor</p> <p>***Typically MFE 126/L</p>		<p>DC Circuit Analysis/Lab ETE 102/L 4</p> <p>AC Circuit Analysis/Lab ETE 103/L 4</p> <p>Semiconductor Devices & Circuits/Lab ETE 204/L 4</p> <p>Electrical Circuit Analysis/Lab ETE 210/L 4</p> <p>Intro to Digital Logic/Lab ETE 230/L 4</p> <p>Micro Comp Sys & Assembly Prog/Lab ETE 240/L 4</p> <p>Electronic Mfg & PCB Fabrication/Lab ETE 272/L 4</p> <p>Industrial Electronics/Lab ETE 280/L 4</p> <p>Electronic Devices & Circuits/Lab ETE 305/L 4</p> <p>Applied Network Analysis/Lab ETE 310/L 4</p> <p>Advanced Programming with C++/Lab ETE 312/L 4</p> <p>Digital Logic Systems/Lab ETE 315/L 4</p> <p>Linear Integrated Circuits/Lab ETE 318/L 4</p> <p>Communication Systems ETE 335/L 4</p> <p>Microcontroller Systems & Appl/Lab ETE 344/L 4</p> <p>Feedback Systems Technology/Lab ETE 350/L 4</p> <p>Tech Comm & Proj Mgt for ET/Lab ETE 401/L 4</p> <p>Digital Data Comm & Networking/Lab ETE 442/L 4</p>		<p>IGE 120 4</p> <p>IGE 121 4</p> <p>IGE 122 4</p> <p>IGE 220 4</p> <p>IGE 221 4</p> <p>IGE 222 4</p> <p>IGE 223 4</p> <p>IGE 224 4</p> <p>COM 216 4</p> <p>COM 204 4</p> <p>EC 201/2024 4</p> <p>Area B 16</p> <p>Area C4 4</p> <p>Area D4 4</p>	<p>GENERAL EDUCATION COURSES</p> <p>Area A Communication and Critical Thinking–12 units</p> <p>1 ENG 104 4</p> <p>2 Approved A2 Elective 4</p> <p>3 Approved A3 Elective 4</p> <p>Area B Math and Natural Sciences–16 units</p> <p>1 <u>MAT 130</u> 4</p> <p>2 <u>PHY 121/121L, 122L</u> 5</p> <p>3 Biological Science 3</p> <p>4 Science and Technology Synthesis* 4</p> <p>Area C Humanities– 16 units</p> <p>1 Fine/Performing Arts 4</p> <p>2 Philosophy and Civilization 4</p> <p>3 Literature and Foreign Language 4</p> <p>4 Humanities Synthesis* 4</p> <p>Area D Social Sciences– 20 units</p> <p>1a PLS 201 4</p> <p>1b HST 202 4</p> <p>2 EC 201 or 202 4</p> <p>3 PLS/SOC 390 4</p> <p>4 Social Science Synthesis* 4</p> <p>Area E Lifelong Understanding and Self-Development–4 units 4</p> <p><u>Underlined courses</u> satisfy both major and general education requirements.</p> <p>*Department Approval Required</p>	
	UNITS REQUIRED:		134	UNITS REQUIRED:		68

<p align="center">SUMMARY OF ADVANCED STANDING CREDIT:</p> <p>Earned Hours _____</p> <p>G.P.A. Hours _____</p> <p>Quality Points _____</p> <p>G.P.A. _____</p>

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
ELECTRONICS AND COMPUTER ENGINEERING TECHNOLOGY
CURRICULUM FLOWSHEET
2004-05

NAME: _____

CPP Major Code: 5280

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING
<div style="border: 1px solid black; padding: 2px;"> Technical Elective <small>Note 1 4</small> </div>	<div style="border: 1px solid black; padding: 2px;"> Technical Elective <small>Note 2 4</small> </div>	<div style="border: 1px solid black; padding: 2px;"> MAT 130 Technical Calculus I Area B1 4 </div>	<div style="border: 1px solid black; padding: 2px;"> MAT 131 Technical Calculus II 4 </div>	<div style="border: 1px solid black; padding: 2px;"> MAT 132 Technical Calculus III 4 </div>	<div style="border: 1px solid black; padding: 2px;"> Approved Elective Area B4 4 </div>			<div style="border: 1px solid black; padding: 2px;"> Approved Elective Area B3 3 </div>	<div style="border: 1px solid black; padding: 2px;"> Approved Elective Area C4 4 </div>		<div style="border: 1px solid black; padding: 2px;"> Approved Elective Area D4 4 </div>
<div style="border: 1px solid black; padding: 2px;"> CAD Elective <small>Note 4 3</small> </div>	<div style="border: 1px solid black; padding: 2px;"> CHM 121/121L General Chemistry 4 </div>	<div style="border: 1px solid black; padding: 2px;"> PHY 121/121L College Physics Area B2 4 </div>	<div style="border: 1px solid black; padding: 2px;"> PHY 122/122L College Physics <small>Note 3 4</small> </div>	<div style="border: 1px solid black; padding: 2px;"> PHY 123/123L College Physics 4 </div>							
<div style="border: 1px solid black; padding: 2px;"> ETT 101/101L Computer Applications 3 </div>		<div style="border: 1px solid black; padding: 2px;"> ETT 215/215L Applied C Programming 4 </div>		<div style="border: 1px solid black; padding: 2px;"> ETT 210 Applied Statics 3 </div>		<div style="border: 1px solid black; padding: 2px;"> ETT 211 Applied Dynamics 3 </div>		<div style="border: 1px solid black; padding: 2px;"> ETT 217 Material Science for ET 3 </div>			

<div style="border: 1px solid black; padding: 2px;"> ETE 210/210L Circuit Analysis 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 272/272L Electronic PCB Fabrication 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 310/310L Appl. Network Analysis 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 350/350L Feedback Systems 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 401/401L Tech. Comm. & Proj. Mangmt 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETT 461 Senior Project I 2 </div>	<div style="border: 1px solid black; padding: 2px;"> ETT 462 Senior Project II 2 </div>			
<div style="border: 1px solid black; padding: 2px;"> ETE 102/102L DC Circuits 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 103/103L AC Circuits 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 204/204L Semiconductor Devices 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 230/230L Intro. to Digital Logic 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 240/240L Assembly Lan. Programming 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 315/315L Digital Logic Systems 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 344/344L uController Applications 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 318/318L Linear IC'S 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE UD Technical Elective 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE UD Technical Elective 4 </div>
		<div style="border: 1px solid black; padding: 2px;"> ETE 280/280L Industrial Electronics 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 305/305L Electronic Circuits 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 312/312L Adv. Prgmng with C++ 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 335/335L Comm. Systems 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE 442/442L Data Comm. Networks 4 </div>	<div style="border: 1px solid black; padding: 2px;"> ETE UD Technical Elective 4 </div>		

Lower Division GE, not including Math and Science, see Note 5 below for alternatives

<div style="border: 1px solid black; padding: 2px;"> ENG 104 Freshman English I Area A1 4 </div>	<div style="border: 1px solid black; padding: 2px;"> Approved Elective Area A2 4 </div>	<div style="border: 1px solid black; padding: 2px;"> Approved Elective Area A3 4 </div>	<div style="border: 1px solid black; padding: 2px;"> PLS 201 Area D1 4 </div>	<div style="border: 1px solid black; padding: 2px;"> HST 202 Area D1 4 </div>	<div style="border: 1px solid black; padding: 2px;"> Approved Elective Area E 4 </div>	<div style="border: 1px solid black; padding: 2px;"> SOC/PLS 390 Area D3 4 </div>	<div style="border: 1px solid black; padding: 2px;"> EC201 or EC202 Area D2 4 </div>	<div style="border: 1px solid black; padding: 2px;"> Approved Elective Area C1 4 </div>	<div style="border: 1px solid black; padding: 2px;"> Approved Elective Area C2 4 </div>	<div style="border: 1px solid black; padding: 2px;"> Approved Elective Area C3 4 </div>	
14	16	20	20	19	16	19	16	18	16	14	14

Notes

1. May include College Algebra (MAT 105 at CPP) if taken before Calculus
2. May include College Trigonometry (MAT 106 at CPP) if taken before Calculus
3. Lab course used to satisfy GE Area B2.
4. CAD elective (Fall Freshman year) typically MFE126/L
5. An alternative GE pattern from that listed here, the Interdisciplinary Education Program (IGE), for partial fulfillment of GE Areas A, C and D is available for students in this major.

Although the IGE program tends to fit best for freshmen entering Cal Poly Pomona it is available to all students, see the University catalog or your advisor for more information.

Revised 3/10/2004

Total Units 202

The flowchart above attempts to show the order of courses to complete the degree Bachelor of Science in Electronics and Computer Engineering Technology in 4 years: 12 quarters not including summer quarters. The flowchart is not a schedule however and when specific courses are offered (i.e. what quarter in a given year) depends on many factors including enrollment, faculty availability, on-going curricular changes and budgetary constraints. If you have concerns about when a course is to be offered next or any other course related questions you should contact your department advisor or the ET office (909-869-2492 or etdept@csupomona.edu).