



**California State Polytechnic University, Pomona  
Degree Curriculum Sheet**

Plan (Major) **ELECTRONICS & COMPUTER ENGINEERING TECHNOLOGY**  
Subplan/Option \_\_\_\_\_

Catalog Year **2009-2010**  
Minimum Units Required **198**

Name \_\_\_\_\_  
Student ID \_\_\_\_\_

Evaluator \_\_\_\_\_  
GWT Satisfied \_\_\_\_\_ Yes \_\_\_\_\_ No

<b>Required Core Courses</b>		
<b>Course</b>		<b>Units</b>
<i>Students in this major are expected to maintain a GPA of at least 2.00 in all core courses.</i>		
DC Circuit Analysis/Lab	ETE 102/102L	3/1
AC Circuit Analysis/Lab	ETE 103/103L	3/1
Semiconductor Devices & Circuits/Lab	ETE 204/204L	3/1
Electrical Circuit Analysis/Lab	ETE 210/210L	3/1
Applied C Programming/Lab	ETT 215/215L	3/1
Introduction to Digital Logic/Lab	ETE 230/230L	3/1
Electronic Mfg. & PCB Fabrication/Lab	ETE 272/272L	3/1
Industrial Electronics/Lab	ETE 280/280L	3/1
Electronic Devices & Circuits/Lab	ETE 305/305L	3/1
Applied Network Analysis/Lab	ETE 310/310L	3/1
Advanced Programming with C++/Lab	ETE 312/312L	3/1
Digital Logic Systems/Lab	ETE 315/315L	3/1
Communication Systems/Lab	ETE 335/335L	3/1
Microcontroller Systems & Appl/Lab	ETE 344/344L	3/1
Feedback Systems Technology/Lab	ETE 350/350L	3/1
Tech Comm & Proj Mgmt for ET/Lab	ETE 401/401L	3/1
Electronic Test Instrumentation with LabView/Lab	ETE 420/420L	3/1
Data Communication and Networking/Lab	ETE 442/442L	3/1
Senior Project I	ETT 461	2
Senior Project II	ETT 462	2
<b>Total Units</b>		<b>76</b>

<b>Required Support Courses</b>		
<b>Course</b>		<b>Units</b>
Computer Application for ET/Lab	ETT 101/101L	2/1
Applied Statics	ETT 210	3
Applied Dynamics	ETT 211	3
Materials Science for ET	ETT 217	3
College Physics/Lab (B1, B3)	PHY 121/121L	3/1
College Physics/Lab	PHY 122/122L	3/1
College Physics/Lab	PHY 123/123L	3/1
General Chemistry	CHM 121	3
General Chemistry Lab (B3)	CHM 121L	1
Technical Calculus I (B4)	MAT 130	4
Technical Calculus II	MAT 131	4
Technical Calculus III	MAT 132	4
<b>Total Units</b>		<b>40</b>

<b>Elective Support Courses</b>		
<b>Course</b>		<b>Units</b>
CAD Elective (MFE 126/126L typical)		3
Technology Electives**	ET XXX	20
**May include College Trigonometry Consult Department Advisor		
<b>Total Units</b>		<b>23</b>

<b>General Education Requirements</b>		<b>IGE (G.E. Alternative)</b>
<b>Area</b>	<b>Units</b>	
<b>Area A Communication &amp; Critical Thinking</b>	<b>12</b>	IGE 120 4 IGE 121 4 IGE 122 4 IGE 220 4 IGE 221 4 IGE 222 4
1 Oral Communication		
2 Written Communication		
3 Critical Thinking		
<b>Area B Mathematics &amp; Natural Sciences</b>	<b>16</b>	IGE 223 4 IGE 224 4 Area A2 4 Area A3 4 Area B 16
<i>Select at least one lab course from sub-area 1 or 2.</i>		
1 Physical Science		
2 Biological Science		
3 Laboratory Activity		
4 Math/Quantitative Reasoning		
5 Science & Technology Synthesis		
<b>Area C Humanities</b>	<b>16</b>	Area C1, C2, or C3 4 Area C4 8 Area D4 8
1 Visual and Performing Arts		
2 Philosophy and Civilization		
3 Literature and Foreign Language		
4 Humanities Synthesis		
<b>Area D Social Sciences</b>	<b>20</b>	See University Catalog for information on how IGE meets G.E. requirements.
1 U.S. History, Constitution, American Ideals		
2 History, Economics and Political Science		
3 Sociology, Anthropology, Ethnic & Gender Studies		
4 Social Science Synthesis		
<b>Area E Lifelong Understanding &amp; Self Development</b>	<b>4</b>	
<b>Total Units</b>	<b>68</b>	

<b>American Institutions</b>	
Courses that satisfy this requirement may also satisfy G.E. Area D1	8

<b>American Cultural Perspectives Requirement</b>	
Refer to catalog for list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.	4

The following required support courses should be taken to satisfy the indicated GE Requirements to achieve the minimum units to degree listed at the top of this sheet.		
<b>Course</b>		<b>GE Area</b>
College Physics/Lab	PHY 121/121L	B1,B3
and General Chemistry Lab	CHM 121L	B3
Technical Calculus	MAT 130	B4
The remaining GE requirements may be satisfied by any course approved for that area.		

No more than 105 community college quarter units or 36 extension credit quarter units may be applied toward a Bachelor's degree.  
A minimum 2.0 cumulative GPA is required in core (including option) courses, Cal Poly Pomona courses, and overall work completed in order to receive a degree in this major.

**CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA  
ELECTRONICS AND COMPUTER ENGINEERING TECHNOLOGY  
CURRICULUM FLOWSHEET  
2009-10**

NAME: \_\_\_\_\_

Academic Plan: ETE

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING
Technical Elective Note 1 4	MAT 130 Technical Calculus I Area B1 4	MAT 131 Technical Calculus II 4	MAT 132 Technical Calculus III 4		Approved Elective Area B4 4			Approved Elective Area B3 3	Approved Elective Area C4 4		Approved Elective Area D4 4
CAD Elective Note 3 3	CHM 121/121L General Chemistry 4	PHY 121/121L College Physics Area B2 4	PHY 122/122L College Physics Note 2 4	PHY 123/123L College Physics 4							
ETT 101/101L Computer Applications 3		ETT 215/215L Applied C Programming 4		ETT 210 Applied Statics 3				ETT 211 Applied Dynamics 3			ETT 217 Material Science for ET 3
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	ETE 102/102L DC Circuits 4	ETE 103/103L AC Circuits 4	ETE 210/210L Circuit Analysis 4		ETE 272/272L Electronic PCB Fabrication 4	ETE 310/310L Appl. Network Analysis 4	ETE 350/350L Feedback Systems 4	Technical Elective 4	ETE 401/401L Tech. Comm. & Proj. Mangmt 4	ETT 461 Senior Project I 2	ETT 462 Senior Project II 2
			ETE 204/204L Semiconductor Devices 4	ETE 230/230L Intro. to Digital Logic 4		ETE 315/315L Digital Logic Systems 4	ETE 344/344L uController Applications 4		ETE 420/201L Instrumentation with LabVIEW 4	ETE UD Technical Elective 4	ETE UD Technical Elective 4
					ETE 280/280L Industrial Electronics 4	ETE 305/305L Electronic Circuits 4	ETE 312/312L Adv. Prgmng with C++ 4	ETE 335/335L Comm. Systems 4	ETE 442/442L Data Comm. Networks 4	ETE UD Technical Elective 4	
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ENG 104 Freshman English I Area A1 4	Approved Elective Area A2 4	Approved Elective Area A3 4	PLS 201 Area D1 4	HST 202 Area D1 4		Approved Elective Area E 4	SOC/PLS 390 Area D3 4	EC201 or EC202 Area D2 4	Approved Elective Area C1 4	Approved Elective Area C2 4	Approved Elective Area C3 4
14	16	20	20	15	12	19	16	18	20	14	14

Lower Division GE, not including Math and Science, see Note 4 below for alternatives

Notes

- May include College Trigonometry (MAT 106 at CPP) if taken before Calculus
- Lab course used to satisfy GE Area B2.
- CAD elective (Fall Freshman year) typically MFE126/L
- 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.

This flowchart shows the suggested 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.

Many courses (i.e ETT210 and GE) are generally taught every quarter and can be taken whenever a student has completed the prerequisite coursework.

Most major courses (i.e ETE272) are taught every other quarter while some (i.e. ETE102) are taught once a year.

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).

Revised 11/26/2008

Total Units 198

**Engineering Technology Department  
Electronics & Computer Engineering Technology Major  
Curriculum Year: 2009-2010**

*Your department has developed this road plan, taking into account prerequisites and schedule restrictions.  
You should pay attention to these concerns when deviating from this plan.*

Year 1	Fall	Units	Winter	Units	Spring	Units	Comment	
	<b>ETT 101/L</b> Major Support	3	<b>ETE 102/L</b> Major Core	4	<b>ETE 103/L</b> Major Core	4	<i>Students in this major are expected to maintain a GPA of at least 2.00 in all core courses.</i>	
	<b>Technical Elective</b> Major Support	4	<b>CHM 121</b> Major Support	3	<b>ETT 215/L</b> Major Core	4		
	<b>ENG 104</b> GE Area A1	4	<b>CHM 121L</b> GE Area B2	1	<b>MAT 131</b> Major Support	4	<i>Technical electives may include MAT106 College Trig if taken before Calculus Consult with your academic advisor</i>	
	<b>CAD Elective Major Support</b>	3	<b>MAT 130</b> GE Area B1	4	<b>PHY 121/121L</b> GE Area B2	4		
			<b>Approved Elective</b> GE Area A2	4	<b>Approved Elective</b> GE Area A3	4	<i>MAT 130, PHY 121/121L, and PHY 122L, satisfy both major and general education requirements</i>	
	<b>Total Units</b>	<b>14</b>	<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>20</b>		
						<b>Total Units for Year</b>		<b>50</b>

Year 2	Fall	Units	Winter	Units	Spring	Units	Comment
	<b>ETE 204/204L</b> Major Core	4	<b>ETE 230/230L</b> Major Core	4	<b>ETE 272/L</b> Major Core	4	
	<b>ETE 210/210L</b> Major Core	4	<b>ETT 210</b> Major Support	3	<b>ETE 280/L</b> Major Core	4	
	<b>PHY 122/L</b> Major Support	4	<b>PHY 123/L</b> Major Support	4	<b>GE Area B3</b>	3	
	<b>MAT 132</b> Major Support	4	<b>HST 202</b> GE Area D1b	4	Approved Elective Area C1-4	4	
	<b>PLS 201</b> GE Area D1a	4					
	<b>Total Units</b>	<b>20</b>	<b>Total Units</b>	<b>15</b>	<b>Total Units</b>	<b>15</b>	
						<b>Total Units for Year</b>	

Year 3	Fall	Units	Winter	Units	Spring	Units	Comment
	ETE 305/L Major Core	4	ETE 312/L Major Core	4	ETE 335/L Major Core	4	
	ETE 310/L Major Core	4	ETE 350/L Major Core	4	ETT 217 Major Support	3	
	ETE 315/L Major Core	4	ETE 344/L Major Core	4	Technical Elective Major Support	4	
	ETT 211 Major Support	3	GE Area D3	4	GE Area B4	4	
	GE Area E	4			GE Area D2	4	
	<i>Take the Graduation Writing Test</i>						
<b>Total Units</b>	<b>19</b>	<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>19</b>		
<b>Total Units for Year</b>						<b>54</b>	

Year 4	Fall	Units	Winter	Units	Spring	Units	Comment	
	ETE 420/L Major Core	4	ETE 461 Major Core	2	ETE 462 Major Core	2	All GE Area A courses and all lower division GE courses in a GE area must be completed before taking the GE Synthesis course in that area.  Consult with your academic advisor on the selection of GE Synthesis courses Area B4, C4 and D4.	
	ETE 401/L Major Core	4	ETE Upper Division Technical Elective Major Support	4	ETE Upper Division Technical Elective Major Support	4		
	ETE 442/L Major Core	4	ETE Upper Division Technical Elective Major Support	4	GE Synthesis Any approved course in area B4, C4, or D4	4		
	GE Synthesis Any approved course in area B4, C4, or D4	4	GE Area C2	4	GE Synthesis Any approved course in area B4, C4, or D4	4		
	<i>Request a graduation check</i>				<i>File an application for graduation</i>			
	<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>14</b>	<b>Total Units</b>	<b>14</b>		
<b>Total Units for Year</b>						<b>44</b>		

<b>Total Units on Plan</b>	<b>198</b>
Major Core Units	80
Major Support Units	50
General Education Units	68
Unrestricted Elective Units	0