



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

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

Catalog Year **2010-2011** Name _____
Minimum Units Required **198** Student ID _____

Evaluator _____
GWT Satisfied _____ Yes _____ No _____

Required Core Courses		
Course		Units
<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
Total Units		76

Required Support Courses		
Course		Units
General Chemistry	CHM 121	3
General Chemistry Lab (B3)	CHM 121L	1
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
Technical Calculus I (B4)	MAT 130	4
Technical Calculus II	MAT 131	4
Technical Calculus III	MAT 132	4
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
Total Units		40

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

General Education Requirements		IGE (G.E. Alternative)	
Area	Units		
Area A Communication & Critical Thinking	12	IGE 120	4
1 Oral Communication		IGE 121	4
2 Written Communication		IGE 122	4
3 Critical Thinking		IGE 220	4
Area B Mathematics & Natural Sciences	16	IGE 221	4
<i>Select at least one lab course from sub-area 1 or 2.</i>			
1 Physical Science		IGE 222	4
2 Biological Science		IGE 223	4
3 Laboratory Activity		IGE 224	4
4 Math/Quantitative Reasoning		Area A2	4
5 Science & Technology Synthesis		Area A3	4
Area C Humanities	16	Area B	16
1 Visual and Performing Arts		Area C1, C2, or C3	4
2 Philosophy and Civilization		Area C4	8
3 Literature and Foreign Language		Area D4	8
4 Humanities Synthesis			
Area D Social Sciences	20	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			
Area E Lifelong Understanding & Self Development	4		
Total Units		68	

American Institutions	
Courses that satisfy this requirement may also satisfy G.E. Area D1	8

American Cultural Perspectives Requirement	
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.		
Course		GE Area
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.		

**CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
ELECTRONICS AND COMPUTER ENGINEERING TECHNOLOGY
CURRICULUM FLOWSHEET
2010-11**

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

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.

Revised 1/14/2010

Total Units 198

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 or twice a year and can be taken whenever a student has completed the prerequisite coursework. Most major courses (i.e ETE_XXX) 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).