Plan (Major) **ELECTRONICS & COMPUTER ENGINEERING TECHNOLOGY**   Catalog Year **2012–2013**   Name_____   TGA_____

Subplan/Option _____   Minimum Units Required **198**   Student ID _____   GWT Satisfied _____Yes _____No

Required Core Courses

Course		Units
DC Circuit Analysis	ETE 102/102L	3/1
AC Circuit Analysis	ETE 103/103L	3/1
Semiconductor Devices & Circuits	ETE 204/204L	3/1
Electrical Circuit Analysis	ETE 210/210L	3/1
Applied C Programming	ETT 215/215L	3/1
Introduction to Digital Logic	ETE 230/230L	3/1
Electronic Mfg. & PCB Fabrication	ETE 272/272L	3/1
Industrial Electronics	ETE 280/280L	3/1
Electronic Devices & Circuits	ETE 305/305L	3/1
Applied Network Analysis	ETE 310/310L	3/1
Advanced Programming with C++	ETE 312/312L	3/1
Digital Logic Systems	ETE 315/315L	3/1
Communication Systems	ETE 335/335L	3/1
Microcontroller Systems & Appl	ETE 344/344L	3/1
Feedback Systems Technology	ETE 350/350L	3/1
Tech Comm & Proj Mgmt for ET	ETE 401/401L	3/1
Electronic Test Instrumentation with LabView	ETE 420/420L	3/1
Data Communication and Networking	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	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 (B1, B3)	PHY 121/121L	3/1
College Physics	PHY 122/122L	3/1
College Physics	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

Area	Units
Area A Communication & Critical Thinking	**12**
1 Oral Communication	
2 Written Communication	
3 Critical Thinking	
Area B Mathematics & Natural Sciences	**16**
Select at least one lab course from sub-area 1 or 2.	
1 Physical Science	
2 Biological Science	
3 Laboratory Activity	
4 Math/Quantitative Reasoning	
5 Science & Technology Synthesis	
Area C Humanities	**16**
1 Visual and Performing Arts	
2 Philosophy and Civilization	
3 Literature and Foreign Language	
4 Humanities Synthesis	
Area D Social Sciences	**20**
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**

IGE (G.E. Alternative)

IGE 120	4
IGE 121	4
IGE 122	4
IGE 220	4
IGE 221	4
IGE 222	4
IGE 223	4
IGE 224	4
Area A1	4
Area A3	4
Area B	16
Area C1, C2, or C3	4
Area C4	8
Area D4	8

See University Catalog for information on how IGE meets G.E. requirements.

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

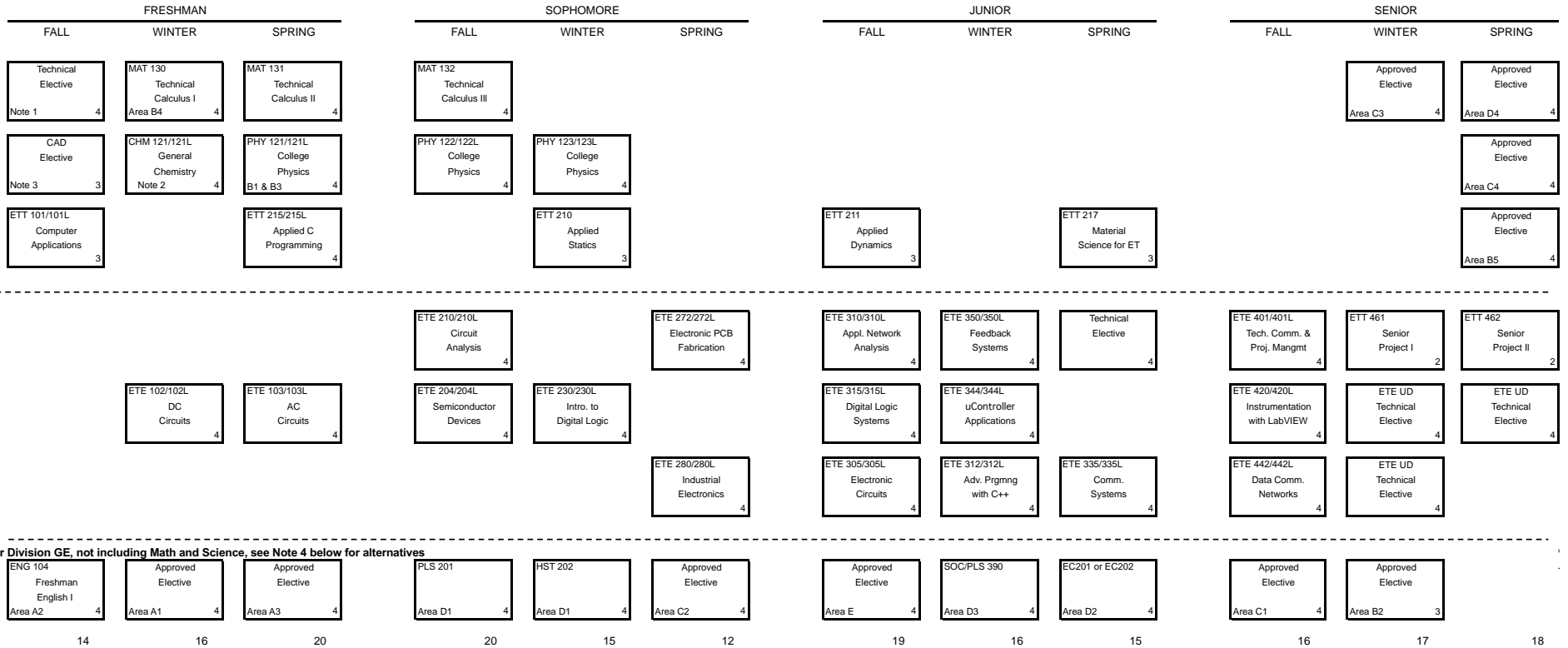| American Cultural Perspectives Requirement	
Refer to catalog for list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.	4

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	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
2012-13

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 B4 — 4	MAT 131 Technical Calculus II — 4	MAT 132 Technical Calculus III — 4							Approved Elective Area C3 — 4	Approved Elective Area D4 — 4
	CAD Elective Note 3 — 3	CHM 121/121L General Chemistry Note 2 — 4	PHY 121/121L College Physics B1 & B3 — 4	PHY 122/122L College Physics — 4	PHY 123/123L College Physics — 4							Approved Elective Area C4 — 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			Approved Elective Area B5 — 4
		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	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 420/420L Instrumentation with LabVIEW	ETE UD Technical Elective	ETE UD Technical Elective
						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	ETE UD Technical Elective	

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

	FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
	ENG 104 Freshman English I Area A2 — 4	Approved Elective Area A1 — 4	Approved Elective Area A3 — 4	PLS 201 Area D1 — 4	HST 202 Area D1 — 4	Approved Elective Area C2 — 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 B2 — 3	
Units	14	16	20	20	15	12	19	16	15	16	17	18

Revised 12/09/2010

Total Units 198

Notes

1. May include College Trigonometry (MAT 106 at CPP) if taken before Calculus

2. Lab course used to satisfy GE Area B3.

3. CAD elective (Fall Freshman year) typically MFE126/L

4. An alternative GE pattern from that listed here, the Interdisplinary 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 or twice a year and can be taken whenever a student has completed the prerequiste 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).