



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

Plan (Major) ENGINEERING TECHNOLOGY
Subplan/Option General (Mechanical/Manufacturing)

Catalog Year 2012-2013
Minimum Units Required 198

Name _____
Student ID _____

TGA _____
GWT Satisfied Yes No

Required Core Courses		
Course		Units
Computer Applications for ET	ETT 101/101L	2/1
Electrical Technology	ETT 201/201L	3/1
Applied Statics	ETT 210	3
Applied Dynamics	ETT 211	3
Applied C Programming	ETT 215/215L	3/1
Material Science for ET	ETT 217	3
Strength of Materials	ETT 220/220L	3/1
Materials Joining	ETT 234/234L	2
Engineering Economics Analysis for ET	ETT 305	4
Electronic Devices & Systems	ETT 321/321L	3/1
Applied Fluid Mechanics I	ETT 310/310L	3/1
Undergraduate Seminar	ETT 460	2
Senior Project I	ETT 461	2
Senior Project II	ETT 462	2
Applied Thermodynamics	ETM 306	4
Applied Heat Transfer	ETM 308	4
Applied Fluid Mechanics II	ETM 312	4
Instrumentation & Control	ETM 330/330L	3/1
IC Engines & Gas Turbines	ETM 410/410L	3/1
Engineering Graphics I	MFE 126/126L	2/1
Manufacturing Processes I	MFE 221/221L	2/1
Engineering Graphics II	MFE 226/226L	2/1
Manufacturing Processes II	MFE 230/230L	2/1
Total Units		76

Elective Core Courses		
Course		Units
Technical Electives	ET XXX	35
May include College Trigonometry Consult Department Advisor		
Total Units		35

Required Support Courses		
Course		Units
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
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		28

General Education Requirements		Units	IGE (G.E. Alternative)
Area A Communication & Critical Thinking		12	IGE 120 4 IGE 121 4 IGE 122 4 IGE 220 4
1 Oral Communication			
2 Written Communication			
3 Critical Thinking			
Area B Mathematics & Natural Sciences		16	IGE 221 4 IGE 222 4 IGE 223 4 IGE 224 4 Area A1 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 and Technology Synthesis			
Area C Humanities		16	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			
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
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American Cultural Perspectives Requirement Refer to catalog for list of courses that satisfy this requirements. Course may also satisfy major, minor, GE, or unrestricted elective requirements.	4
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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

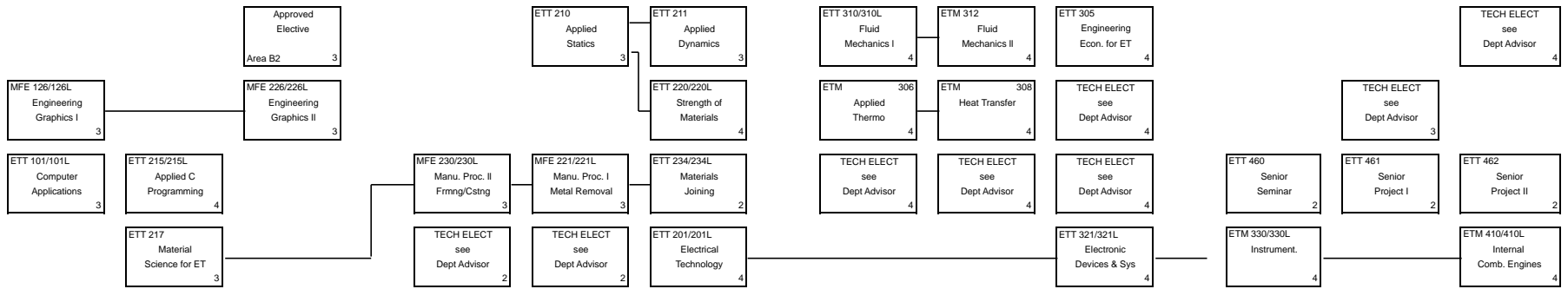
The remaining GE requirements may be satisfied by any course approved for that area.

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.

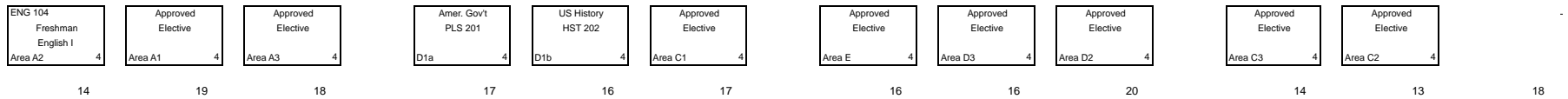
CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
ENGINEERING TECHNOLOGY (General-Mechanical/Manufacturing Emphasis)
CURRICULUM FLOWSHEET
20012-13

NAME: _____

Academic Plan: ETT



Lower Division GE, not including Math and Science, see Note 3 below for alternatives



Notes

1. May include College Trigonometry (MAT 106 at CPP) if taken before Calculus
2. Lab course used to satisfy GE Area B2.
3. 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 12/09/2010

Total Units 198

This flowchart shows the suggested order of courses to complete the degree Bachelor of Science in 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. Some major courses (i.e. ETT310/L) are taught twice a year while some (i.e. ETT234/L, ETM312) are taught only 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).