



California State Polytechnic University, Pomona
Degree Curriculum Sheet

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

Catalog Year **2010-2011**
Minimum Units Required **198**

Name _____
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>		
Computer Applications for ET/Lab	ETT 101/101L	2/1
Electrical Technology/Lab	ETT 201/201L	3/1
Applied Statics	ETT 210	3
Applied Dynamics	ETT 211	3
Applied C Programming/Lab	ETT 215/215L	3/1
Material Science for ET	ETT 217	3
Strength of Materials/Lab	ETT 220/220L	3/1
Materials Joining/Lab	ETT 234/234L	2
Engineering Economics Analysis for ET	ETT 305	4
Electronic Devices & Systems/Lab	ETT 321/321L	3/1
Applied Fluid Mechanics I/Lab	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/Lab	ETM 330/330L	3/1
IC Engines & Gas Turbines/Lab	ETM 410/410L	3/1
Engineering Graphics I/Lab	MFE 126/126L	2/1
Manufacturing Processes I/Lab	MFE 221/221L	2/1
Engineering Graphics II/Lab	MFE 226/226L	2/1
Manufacturing Processes II/Lab	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/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		28

General Education Requirements		IGE (G.E. Alternative)	
Area	Units		
Area A Communication & Critical Thinking	12		
1 Oral Communication		IGE 120	4
2 Written Communication		IGE 121	4
3 Critical Thinking		IGE 122	4
Area B Mathematics & Natural Sciences	16	IGE 220	4
<i>Select at least one lab course from sub-area 1 or 2.</i>		IGE 221	4
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 and 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 requirements. 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.		

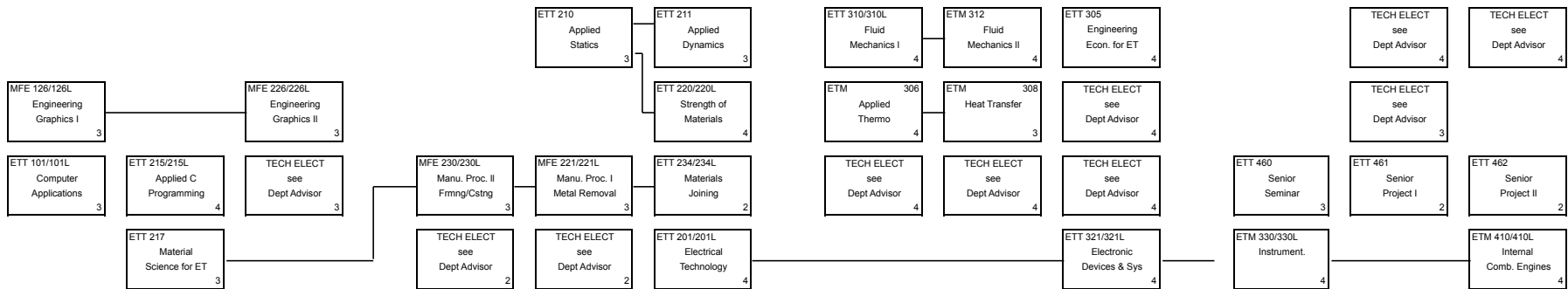
No more than 105 community college quarter units or 36 extension credit quarter units may be applied toward a Bachelor's degree.
A minimum 2.0 cumulative GPA is required in core (including option) courses, Cal Poly Pomona courses, and overall work completed in order to receive a degree in this major.

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
ENGINEERING TECHNOLOGY (General-Mechanical/Manufacturing Emphasis)
CURRICULUM FLOWSHEET
2010-11

NAME: _____

Academic Plan: ETT

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 C4 4		Approved Elective Area D4 4
	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							



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

ENG 104 Freshman English I Area A1 4	Approved Elective Area A2 4	Approved Elective Area A3 4	Amer. Gov't PLS 201 Area D1a 4	US History HST 202 Area D1b 4		Approved Elective Area E 4	Approved Elective Area D3 4	Approved Elective Area D2 4		Approved Elective Area C1 4	Approved Elective Area C2 4	Approved Elective Area C3 4
14	19	18	17	16	17	16	15	20		15	13	18

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 1/14/2010

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 or twice a year 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).