



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

Plan (Major) **ENGINEERING TECHNOLOGY**

Catalog Year **2015 - 2016**

Name _____

Subplan/Option _____

Minimum Units Required **191**

Student ID _____

Required Core Courses		
Course		Units
Electrical Technology & Lab	ETT 201/201L	3/1
Applied Statics	ETT 210	3
Applied Dynamics	ETT 211	3
C Programming for Technology & Lab	ETT 215/215L	3/1
Materials Science for Engr Technology	ETT 217	3
Strength of Materials for Engr Technology & Lab	ETT 220/220L	3/1
Materials Joining & Lab	ETT 234/234L	1/1
Engineering Economics Analysis for Engr Tech	ETT 305	4
Applied Fluid Mechanics I & Lab	ETT 310/310L	3/1
Electronic Devices and Systems & Lab	ETT 321/321L	3/1
Project/Selection and Management	ETT 460	2
Applied Thermodynamics	ETM 306	4
Applied Heat Transfer	ETM 308	4
Applied Fluid Mechanics II	ETM 312	4
Machine Elements & Lab	ETM 315/315L	3/1
Instrm and Control Applications & Lab	ETM 330/330L	3/1
Applied Heating and Air Conditioning	ETM 334	4
Heating and Air Conditioning & Lab	ETM 335/335L	3/1
Internal Combustion Engines & Lab	ETM 410/410L	3/1
Engineering Graphics I & Lab	MFE 126/126L	2/1
Mfg Processes I--Material Removal & Lab	MFE 221/221L	2/1
Engineering Graphics II & Lab	MFE 226/226L	2/1
Mfg Processes II--Forming, Casting and Joining & Lab	MFE 230/230L	2/1
Total Units	81	

Required Support Courses		
Course		Units
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.		
General Chemistry & Lab (B3)	CHM 121/121L	3/1
Engineering, Society, and You & Lab (E)	EGR 100/100L	3/1
Project Design Principles and Applications (B5)	EGR 481	2
Project Design Principles and Applications (B5)	EGR 482	2
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	36	

Elective Core Courses		
Course		Units
Technical Electives (300 and 400 level courses ONLY)	ET XXX	23
Total	23	

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
		IGE 220 4
Area B Mathematics & Natural Sciences	16	
<i>Select at least one lab course from subarea 1 or 2.</i>		
1. Physical Science		IGE 221 4
2. Biological Science		IGE 222 4
3. Laboratory Activity		IGE 223 4
4. Math/Quantitative Reasoning		IGE 224 4
5. Science & Technology Synthesis		AREA A1 4
		AREA A3 4
		AREA B 16
		AREA C1, C2 or C3 4
Area C Humanities	16	
1. Visual and Performing Arts		AREA C4 4
2. Philosophy and Civilization		AREA D4 4
3. Literature and Foreign Language		
4. Humanities Synthesis		
Area D Social Sciences	20	
1. U.S. History, Constitution, American Ideals		
a. United States History		
b. Introduction to American Government		
2. History, Economics and Political Science		
3. Sociology, Anthropology, Ethnic & Gender Studies		
4. Social Science Synthesis		
Area E Lifelong Understanding & Self Development	4	
Total	68	

American Institutions Courses that satisfy this requirement may also satisfy GE Area D1	8
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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
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All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the quarter following completion of 120 units for undergraduates.