



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

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

Catalog Year 2013-2014  
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	1/1
Engineering Economics Analysis for ET	ETT 305	4
Applied Fluid Mechanics I	ETT 310/310L	3/1
Electronic Devices & Systems	ETT 321/321L	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
<b>Total Units</b>		<b>76</b>

Elective Core Courses		
Course		Units
Technical Electives	ET XXX	35
<b>Total Units</b>		<b>35</b>

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
<b>Total Units</b>		<b>28</b>

General Education Requirements		IGE (G.E. Alternative)
Area	Units	
<b>Area A Communication &amp; Critical Thinking</b>	<b>12</b>	IGE 120 4 IGE 121 4 IGE 122 4 IGE 220 4
1 Oral Communication		
2 Written Communication		
3 Critical Thinking		
<b>Area B Mathematics &amp; Natural Sciences</b>	<b>16</b>	IGE 221 4 IGE 222 4 IGE 223 4 IGE 224 4
<i>Select at least one lab course from sub-area 1 or 2.</i>		
1 Physical Science		
2 Biological Science		
3 Laboratory Activity		Area A1 4
4 Math/Quantitative Reasoning		Area A3 4
5 Science and Technology Synthesis		Area B 16
<b>Area C Humanities</b>	<b>16</b>	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		
<b>Area D Social Sciences</b>	<b>20</b>	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		
<b>Area E Lifelong Understanding &amp; Self Development</b>	<b>4</b>	
<b>Total Units</b>	<b>68</b>	

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

American Cultural Perspectives Requirement	Units
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	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.