



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

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

Catalog Year 2009-2010  
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
<b>Total Units</b>		<b>76</b>

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

Required Support Courses		
Course		Units
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
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
<b>Total Units</b>		<b>28</b>

General Education Requirements		Units	IGE (G.E. Alternative)
<b>Area A</b>			
<b>Area A Communication &amp; Critical Thinking</b>		<b>12</b>	
1 Oral Communication			IGE 120 4
2 Written Communication			IGE 121 4
3 Critical Thinking			IGE 122 4
<b>Area B Mathematics &amp; Natural Sciences</b>		<b>16</b>	
<i>Select at least one lab course from sub-area 1 or 2.</i>			
1 Physical Science			IGE 220 4
2 Biological Science			IGE 221 4
3 Laboratory Activity			IGE 222 4
4 Math/Quantitative Reasoning			IGE 223 4
5 Science and Technology Synthesis			IGE 224 4
<b>Area C Humanities</b>		<b>16</b>	
1 Visual and Performing Arts			Area A2 4
2 Philosophy and Civilization			Area A3 4
3 Literature and Foreign Language			Area B 16
4 Humanities Synthesis			Area C1, C2, or C3 4
<b>Area D Social Sciences</b>		<b>20</b>	
1 U.S. History, Constitution, American Ideals			Area C4 8
2 History, Economics and Political Science			Area D4 8
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>	See University Catalog for information on how IGE meets G.E. requirements.

<b>American Institutions</b> Courses that satisfy this requirement may also satisfy G.E. Area D1	8
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<b>American Cultural Perspectives Requirement</b> 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/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.		

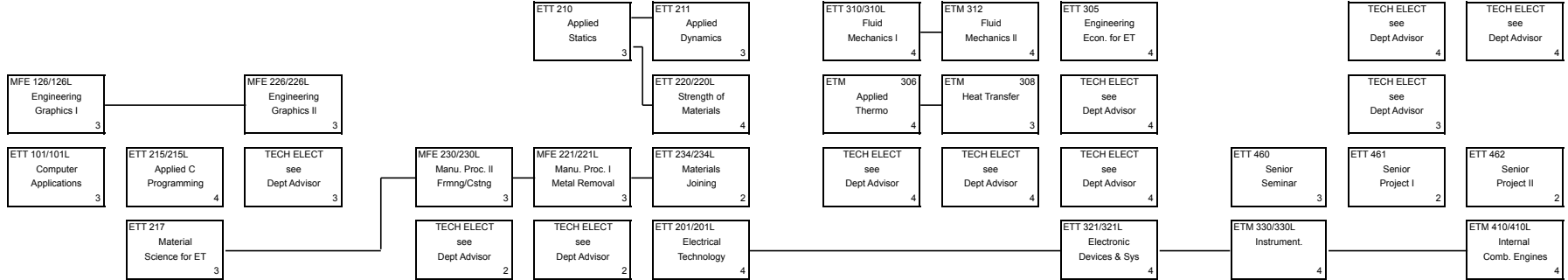
No more than 105 community college quarter units or 36 extension credit quarter units may be applied toward a Bachelor's degree.  
A minimum 2.0 cumulative GPA is required in core (including option) courses, Cal Poly Pomona courses, and overall work completed in order to receive a degree in this major.

**CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA**  
**ENGINEERING TECHNOLOGY (General-Mechanical/Manufacturing Emphasis)**  
**CURRICULUM FLOWSHEET**  
**2009-10**

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 11/26/2008

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).

**Engineering Technology Department  
Engineering Technology Major  
General-Mechanical/Manufacturing Emphasis  
Curriculum Year: 2009-2010**

*Your department has developed this road plan, taking into account prerequisites and schedule restrictions.  
You should pay attention to these concerns when deviating from this plan.*

		Fall	Units	Winter	Units	Spring	Units	Comment
<b>Year 1</b>		<b>MFE 126/126L</b> Major Core	3	<b>MFE 221/221L</b> Major Core	3	<b>MFE 226/226L</b> Major Core	3	<i>Students in this major are expected to maintain a GPA of at least 2.00 in all core courses.</i>
		<b>ETT 101/101L</b> Major Core	3	<b>ETT 215/L</b> Major Core	4	<b>MAT 131</b> Major Support	4	
		<b>Technical Elective</b> Major Core	4	<b>CHM 121/L</b> GE Area B2	1	<b>Technical Elective</b> Major Core	4	<i>Technical Electives may include College Trig. Consult department advisor.</i>
		<b>ENG 104</b> GE Area A1	4	<b>MAT 130</b> GE Area B1	4	<b>PHY 121/L</b> GE Area B2	4	
				<b>Approved Elective</b> GE Area A2	4	<b>Approved Elective</b> GE Area A3	4	
				<b>CHM 121</b> Major Support	3			<i>One course must be completed in each of the GE areas A2-3, B1-3, C1-3, D3, and E.</i>
		<b>Total Units</b>	<b>14</b>	<b>Total Units</b>	<b>19</b>	<b>Total Units</b>	<b>19</b>	
	<b>Total Units for Year</b>						<b>52</b>	
<b>Year 2</b>		<b>MAT 132</b> Major Support	4	<b>ETT 234/L</b> Major Core	2	<b>ETT 211</b> Major Core	3	
		<b>MFE 230/230L</b> Major Core	3	<b>PHY 123/123L</b> Major Support	4	<b>ETT 220/220L</b> Major Core	4	
		<b>ETT 217</b> Major Core	3	<b>ETT 210</b> Major Core	3	<b>Technical Elective</b> Major Core	4	
		<b>PHY 122/L</b> Major Support	4	<b>ETT 201/201L</b> Major Core	4	<b>Approved Elective</b> GE Area C2	4	
		<b>PLS 201</b> Area D1a	4	<b>HST 202</b> GE Area D1b	4			
		<b>Total Units</b>	<b>18</b>	<b>Total Units</b>	<b>17</b>	<b>Total Units</b>	<b>15</b>	
	<b>Total Units for Year</b>						<b>50</b>	

Year 3	Fall	Units	Winter	Units	Spring	Units	Comment
	<b>ETT 310/310L</b> Major Core	4	<b>ETM 312</b> Major Core	4	<b>ETT 305</b> Major Core	4	
	<b>ETM 306</b> Major Core	4	<b>ETM 308</b> Major Core	4	<b>ETT 321/321L</b> Major Core	4	
	<b>Tech Elective</b> Major Core	4	<b>Tech Elective</b> Major Core	4	<b>Tech Elective</b>	3	
	<b>GE Area E</b>	4	<b>GE Area D3</b>	4	<b>Tech Elective</b> Major Core	3	
	<i>Take the Graduation Writing Test</i>				<b>GE Area D2</b>	4	
	<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>18</b>	
						<b>Total Units for Year</b>	
Year 4	Fall	Units	Winter	Units	Spring	Units	Comment
	<b>ETT 460</b> Major Core	2	<b>ETT 461</b> Major Core	2	<b>ETT 462</b> Major Core	2	<i>Consult advisor for selection of GE Synthesis Area B4.  All GE Area A courses and all lower division GE courses in a GE area must be completed before taking the GE Synthesis course in that area.</i>
	<b>ETM 330/330L</b> Major Core	4	<b>Tech Elective</b> Major Core	3	<b>ETM 410/410L</b> Major Core	4	
	<b>GE Area C3</b>	4	<b>GE Area B4</b>	4	<b>Tech Elective</b> Major Core	3	
	<b>GE Area C1</b>	4	<b>Tech Elective</b> Major Core	4	<b>GE Synthesis C4</b>	4	
			<i>Request a graduation check</i>		<b>GE Synthesis D4</b>	4	
					<i>File an application for graduation</i>		
	<b>Total Units</b>	<b>14</b>	<b>Total Units</b>	<b>13</b>	<b>Total Units</b>	<b>17</b>	
					<b>Total Units for Year</b>	<b>44</b>	
<b>Total Units on Plan</b>						<b>196-198</b>	
<b>Major Core Units</b>						<b>111</b>	
<b>Major Support Units</b>						<b>19</b>	
<b>General Education Units</b>						<b>68</b>	
<b>Unrestricted Elective Units</b>						<b>0</b>	