



**California State Polytechnic University, Pomona  
DEGREE REQUIREMENT EVALUATION**

ELM Satisfied	___ Yes ___ No
EPT Satisfied	___ Yes ___ No
GWT Satisfied	___ Yes ___ No

MAJOR (PLAN) **ENGINEERING TECHNOLOGY** NAME \_\_\_\_\_  
 OPTION/EMPHASIS (SUB-PLAN) **General (Mechanical/Manufacturing)** LAST \_\_\_\_\_ FIRST \_\_\_\_\_ MI \_\_\_\_\_  
 UNITS REQUIRED FOR A BACHELOR'S DEGREE **198** STUDENT I.D. # \_\_\_\_\_

TERM ADMITTED \_\_\_\_\_ YEAR: **2006-2007**  
 EVALUATOR \_\_\_\_\_  
 DATE \_\_\_\_\_  
 UPDATES \_\_\_\_\_

CORE COURSES	Units	SUPPORT COURSES	Units	IGE	GENERAL EDUCATION. Students may fulfill these requirements at Cal Poly Pomona with the General Education (GE) or the Interdisciplinary General Education (IGE) Programs. Select courses from approved lists shown in the Schedule of Classes unless specified.
Students in this major are expected to maintain a GPA of at least 2.00 in all core courses.		College Physics II PHY 122	3	IGE 120	4
		College Physics III/Lab PHY 123/L	4	IGE 121	4
Computer Applications for ET/Lab ETT 101/L	3	College Chemistry/Lab CHM 121/L	4	IGE 122	4
Electrical Technology/Lab ETT 201/L	4	Technical Calculus II MAT 131	4	IGE 220	4
Applied Statics ETT 210	3	Technical Calculus III MAT 132	4	IGE 221	4
Applied Dynamics ETT 211	3	Freshman English* (A1) ENG 104	4	IGE 222	4
Applied C Programming ETT 215/L	4	Technical Calculus* (B1) MAT 130	4	IGE 223	4
Material Science for ET ETT 217	3	Physical Science* (B2) PHY 121/L	4	IGE 224	4
Strength of Materials/Lab ETT 220/L	4	Physical Science* (B2) PHY 122L	1	COM 216	4
Materials Joining/Lab ETT 234/L	2	American Government* (D1a) PLS 201	4	COM 204	4
		U.S. History* (D1b) HST 202	4	EC 201/202	4
Engineering Economics Analysis for ET ETT 305	4			Area B	16
Electronic Devices & Systems/Lab ETT 321/L	4			Area C4	8
Applied Fluid Mechanics I/Lab ETT 310/L	4			Area D4	8
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	3				
Applied Fluid Mechanics II ETM 312	4				
Instrumentation & Control/Lab ETM 330/L	4				
IC Engines & Gas Turbines/Lab ETM 410/L	4				
Engineering Graphics I MFE 126/L	3				
Manufacturing Processes I/Lab MFE 221/L	3				
Engineering Graphics II/Lab MFE 226/L	3				
Manufacturing Processes II/Lab MFE 230/L	3				
Technical Electives** ET XXX	36				
**May include College Trigonometry Consult Department Advisor					
		<b>SUMMARY OF ADVANCED STANDING CREDIT:</b> Earned Hours _____ G.P.A. Hours _____ Quality Points _____ G.P.A. _____			
		Courses marked with an * may be used to satisfy GE requirements. If these courses are not used to satisfy GE, the total units to degree may be more than 198 units.			
					<b>GENERAL EDUCATION COURSES</b>
					<b>Area A Communication &amp; Critical Thinking</b> <b>12</b>
					1 Written Communication
					2 Oral Communication
					3 Critical Thinking
					<b>Area B Mathematics &amp; Natural Sciences</b> <b>16</b>
					1 Math/Quantitative Reasoning
					2 Physical Science
					3 Biological Science
					4 Science & Technology Synthesis***
					<b>Area C Humanities</b> <b>16</b>
					1 Fine and Performing Arts
					2 Philosophy and Civilization
					3 Literature and Foreign Language
					4 Humanities Synthesis***
					<b>Area D Social Sciences</b> <b>20</b>
					1 U.S. History, Constitution, American Ideals:
					a. Political Science
					b. U.S. History
					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>
					Lifelong Understanding
					***Consult department advisor

NOT MORE THAN 105 UNITS FROM A COMMUNITY COLLEGE NOR MORE THAN 36 UNITS OF EXTENSION WORK MAY BE APPLIED TOWARD A BACHELOR'S DEGREE.  
 A 2.0 CUMULATIVE GPA IS REQUIRED IN CORE COURSES INCLUDING OPTION COURSES IN ORDER TO RECEIVE A DEGREE IN THIS MAJOR.

**Engineering Technology Department  
Engineering Technology Major  
General-Mechanical/Manufacturing Emphasis  
Curriculum Year: 2006-2007**

*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.*

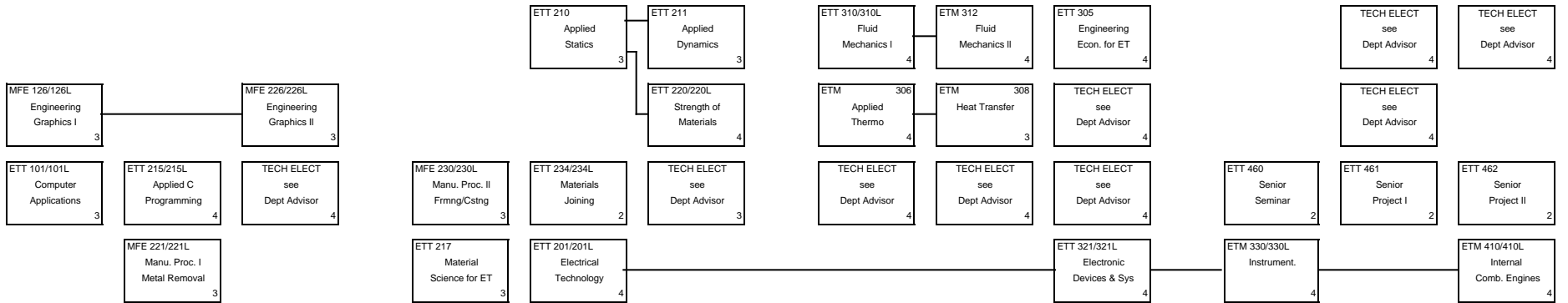
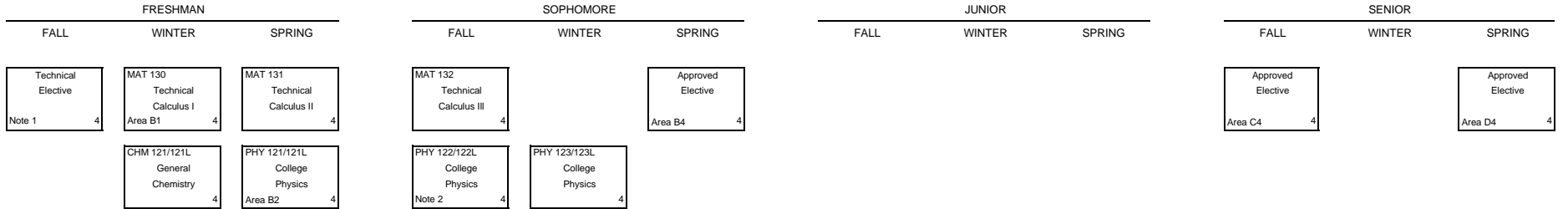
		Fall		Winter		Spring		Comment		
			Units		Units		Units			
<b>Year 1</b>	<b>MFE 126/126L</b> Major Core	3	<b>MFE 221/221L</b> Major Core	3	<b>MFE 226/226L</b> Major Core	3	<i>Students in this major are expected to maintain a GPA of at least 2.00 in all core courses.  Technical Electives may include College Trig. Consult department advisor.  MAT 130, PHY 121/121L, and PHY 122L satisfy both major and general education requirements  One course must be completed in each of the GE areas A2-3, B1-3, C1-3, D3, and E.</i>			
	<b>ETT 101/101L</b> Major Core	3	<b>Technical Elective</b> Major Core	4	<b>PHY 122L</b> GE Area B2	1				
	<b>Technical Elective</b> Major Core	4	<b>PHY 121/121L</b> GE Area B2	4	<b>Technical Elective</b> Major Core	4				
	<b>ENG 104</b> GE Area A1	4	<b>MAT 130</b> GE Area B1	4	<b>PHY 122</b> Major Support	3				
	<b>GE Area</b> Any approved course in area B3, C1-3, D2, or E	4	<b>Approved Elective</b> GE Area A2	4	<b>Approved Elective</b> GE Area A3	4				
	<b>Total Units</b>		<b>18</b>	<b>Total Units</b>		<b>19</b>		<b>Total Units</b>		<b>15</b>
								<b>Total Units for Year</b>		<b>52</b>
<b>Year 2</b>	<b>MAT 131</b> Major Support	4	<b>MAT 132</b> Major Support	4	<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>ETT 215/215L</b> Major Core	4				
	<b>PLS 201</b> GE Area D1a	4	<b>ETT 201/201L</b> Major Core	4	<b>CHM 121/121L</b> Major Support	4				
	<b>GE Area</b> Any approved course in area B3, C1-3, D2, or E	4	<b>HST 202</b> GE Area D1b	4	<b>ETT 234/234L</b> Major Core	2				
	<b>Total Units</b>		<b>18</b>	<b>Total Units</b>		<b>19</b>		<b>Total Units</b>		<b>17</b>
								<b>Total Units for Year</b>		<b>54</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	3	<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> Major Core	4	
	<b>SOC/PLS 390</b> GE Area D3	4	<b>GE Area</b> Any approved course in area B3, GE area C1-C3, D2 or E	4	<b>Tech Elective</b> Major Core	4	
	<i>Take the Graduation Writing Test</i>						
	<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>14</b>	<b>Total Units</b>	<b>20</b>	<b>Total Units for Year</b> <b>50</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.</i>
	<b>ETM 330/330L</b> Major Core	4	<b>Tech Elective</b> Major Core	4	<b>ETM 410/410L</b> Major Core	4	<i>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>GE Area</b> Any approved course in area B3, C1-3, D2, or E	4	<b>GE Area</b> Any approved course in area B3, C1-3, D2, or E	4	<b>Tech Elective</b> Major Core	4	
	<b>GE Synthesis</b> Any approved course in area B4, C4, or D4	4	<b>GE Synthesis</b> Any approved course in area B4, C4, or D4	4	<b>GE Synthesis</b> Any approved course in area B4, C4, or D4	4	
			<i>Request a graduation check</i>		<i>File an application for graduation</i>		
	<b>Total Units</b>	<b>14</b>	<b>Total Units</b>	<b>14</b>	<b>Total Units</b>	<b>14</b>	<b>Total Units for Year</b> <b>42</b>
<b>Total Units on Plan</b>						<b>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>	

**CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA**  
**ENGINEERING TECHNOLOGY (General-Mechanical/Manufacturing Emphasis)**  
**CURRICULUM FLOWSHEET**  
**2006-07**

NAME: \_\_\_\_\_

Academic Plan: ETT



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



Notes

- May include College Trigonometry (MAT 106 at CPP) if taken before Calculus
- Lab course used to satisfy GE Area B2.
- 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 3/8/2006

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).