



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

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

Catalog Year 2008-2009
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	3
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		75

Elective Core Courses	
Course	Units
Technical Electives	ET XXX 36
May include College Trigonometry Consult Department Advisor	
Total Units	36

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 (B1, B3)	CHM 121L	1
Technical Calculus I (B4)	MAT 130	4
Technical Calculus II	MAT 131	4
Technical Calculus III	MAT 132	4
Total Units		28

General Education Requirements		IGE (G.E. Alternative)
Area	Units	
Area A Communication & Critical Thinking	12	IGE 120 4
1 Oral Communication		IGE 121 4
2 Written Communication		IGE 122 4
3 Critical Thinking		IGE 220 4
Area B Mathematics & Natural Sciences	16	IGE 221 4
<i>Select at least one lab course from sub-area 1 or 2.</i>		
1 Physical Science		IGE 222 4
2 Biological Science		IGE 224 4
3 Laboratory Activity		Area A2 4
4 Math/Quantitative Reasoning		Area A3 4
5 Science and Technology Synthesis		Area B 16
Area C Humanities	16	Area C1, C2, or C3 4
1 Fine and Performing Arts		Area C4 8
2 Philosophy and Civilization		Area D4 8
3 Literature and Foreign Language		
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	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/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.

**Engineering Technology Department
Engineering Technology Major
General-Mechanical/Manufacturing Emphasis
Curriculum Year: 2008-2009**

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

Year 3	Fall	Units	Winter	Units	Spring	Units	Comment	
	ETT 310/310L Major Core	4	ETM 312 Major Core	4	ETT 305 Major Core	4		
	ETM 306 Major Core	4	ETM 308 Major Core	3	ETT 321/321L Major Core	4		
	Tech Elective Major Core	4	Tech Elective Major Core	4	GE Area B3	3		
	GE Area E	4	GE Area D3	4	Tech Elective Major Core	4		
	<i>Take the Graduation Writing Test</i>				GE Area D2	4		
	Total Units	16	Total Units	15	Total Units	19		
						Total Units for Year		50
Year 4	Fall	Units	Winter	Units	Spring	Units	Comment	
	ETT 460 Major Core	2	ETT 461 Major Core	2	ETT 462 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>	
	ETM 330/330L Major Core	4	Tech Elective Major Core	4	ETM 410/410L Major Core	4		
	GE Area B4	4	GE Area C3	4	Tech Elective Major Core	4		
	GE Area C2	4	Tech Elective Major Core	4	GE Synthesis C4	4		
					GE Synthesis D4	4		
				<i>Request a graduation check</i>		<i>File an application for graduation</i>		
	Total Units	14	Total Units	14	Total Units	18		
					Total Units for Year	46		
Total Units on Plan						198		
Major Core Units						111		
Major Support Units						19		
General Education Units						68		
Unrestricted Elective Units						0		