



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

Plan (Major) **CONSTRUCTION ENGINEERING TECHNOLOGY**  
Subplan/Option \_\_\_\_\_

Catalog Year **2015 - 2016**  
Minimum Units Required **193**

Name \_\_\_\_\_  
Student ID \_\_\_\_\_

Required Core Courses		
Course		Units
Construction Drafting I & Lab	ETC 130/130L	1/1
Construction Surveying I & Lab**	ETC 131/131L	2/2
Construction Surveying II & Lab	ETC 132/132L	2/2
Construction Drafting II Laboratory	ETC 140L	1
Construction Materials	ETC 202	3
Construction Materials Laboratory	ETC 202L	1
Construction Inspection	ETC 204	3
Construction Drawings and Specifications & Lab	ETC 230/230L	2/1
Advanced Computer Applications & E-Const & Lab	ETC 250/250L	2/1
Mechanical, Electrical and Plumbing Systems***	ETC 270	3
Construction Accounting & Lab	ETC 279/279L	2/1
Construction Estimating I	ETC 304	4
Construction Estimating II	ETC 305	3
Structural Theory	ETC 311	4
Construction Equipment and Methods & Lab	ETC 312/312L	3/1
Timber and Formwork Design	ETC 315/315L	3/1
Steel Design	ETC 316	4
Design of Reinforced Concrete	ETC 317	4
Construction Cost Control	ETC 401	3
Contracts and Specifications	ETC 402	3
Construction Safety	ETC 403	3
Construction Planning and Scheduling & Lab	ETC 405/405L	3/1
Construction Organization and Mgmt	ETC 406	3
Foundations and Soil Mechanics & Lab	ETC 411/411L	3/1
Concrete Mix Design & Lab	ETC 431/431L	1/1
Senior Project I	ETC 461	2
and Senior Project II	ETC 462	2
<b>Total Units</b>		<b>83</b>

\*\*CE 134/134L may be substituted for ETC 131/131L  
\*\*\*Approved Internships ETT 270, ETT 470 may be applied as technical electives. See Academic Advisor.

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
Applied Statics*	ETT 210	3
Strength of Materials for Engr Tech & Lab**	ETT 220/220L	3/1
Engineering Economics Analysis for Engr Tech	ETT 305	4
Applied Fluid Mechanics I & Lab	ETT 310/310L	3/1
Technical Calculus I (B4)***	MAT 130	4
Technical Calculus II****	MAT 131	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
*ME 214 may be substituted for ETT 210. **ME 218 may be substituted for ETT 220. ***MAT 114 and MAT 115 may be substituted for MAT 130. ****MAT 114, MAT 115, and MAT 116 may be substituted for MAT 130 and MAT 131.		
<b>Total Units</b>		<b>39</b>

Elective Support Courses		
Course	Units	
Technical Electives	12	
*Consult with Department Advisor		
<b>Total Units</b>		<b>12</b>

General Education Requirements		IGE (G.E. Alternative)
Area	Units	
<b>Area A Communication &amp; Critical Thinking</b>	12	
1. Oral Communication		IGE 120 4
2. Written Communication		IGE 121 4
3. Critical Thinking		IGE 122 4
		IGE 220 4
<b>Area B Mathematics &amp; Natural Sciences</b>	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
<b>Area C Humanities</b>	16	
1. Visual and Performing Arts		AREA C4 4
2. Philosophy and Civilization		AREA D4 4
3. Literature and Foreign Language		
4. Humanities Synthesis		
<b>Area D Social Sciences</b>	20	
1. U.S. History, Constitution, American Ideals		See University Catalog for information on how IGE meets GE requirements.
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		
<b>Area E Lifelong Understanding &amp; Self Development</b>	4	
<b>Total</b>		<b>68</b>

<b>American Institutions</b> Courses that satisfy this requirement may also satisfy GE Area D1	<b>8</b>
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<b>American Cultural Perspectives Requirement</b> Refer to catalog for list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.	<b>4</b>
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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.