



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

Plan (Major) **CONSTRUCTION ENGINEERING TECHNOLOGY**
Subplan/Option _____

Catalog Year **2014 - 2015**
Minimum Units Required **193**

Name _____
Student ID _____

Required Core Courses		
Course		Units
Construction Drafting I & Lab	ETC 130/130L	2/1
Construction Surveying I & Lab**	ETC 131/131L	2/2
Construction Surveying II & Lab	ETC 132/132L	2/2
Construction Drafting II & Lab	ETC 140/140L	2/1
Construction Materials	ETC 202	3
Construction Inspection	ETC 204	3
Construction Plans and Specifications & Lab	ETC 230/230L	1/2
Advanced Computer Applications & E-Const & Lab	ETC 250/250L	3/1
Electrical Installations & Lab***	ETC 270/270L	3/1
Construction Accounting & Lab	ETC 279/279L	2/1
Construction Estimating I	ETC 304	4
Construction Estimating II	ETC 305	4
Structural Theory	ETC 311	3
Construction Equipment and Methods	ETC 312	3
Timber and Formwork Design	ETC 315	4
Steel Design	ETC 316	3
Concrete and Masonry Design	ETC 317	3
Construction Cost Control	ETC 401	3
Contracts and Specifications	ETC 402	3
Construction Safety	ETC 403	3
Construction Planning and Scheduling	ETC 405	3
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	ETT 461	2
and Senior Project II	ETT 462	2
Total Units		83

**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.		
Total Units		39

Elective Support Courses	
Course	Units
Technical Electives	12
*Consult with Department Advisor	
Total Units	
12	

General Education Requirements	
Area	Units
Area A Communication & Critical Thinking	12
1. Oral Communication	
2. Written Communication	
3. Critical Thinking	
Area B Mathematics & Natural Sciences	16
<i>Select at least one lab course from subarea 1 or 2.</i>	
1. Physical Science	
2. Biological Science	
3. Laboratory Activity	
4. Math/Quantitative Reasoning	
5. Science & Technology Synthesis	
Area C Humanities	16
1. Visual and Performing Arts	
2. Philosophy and Civilization	
3. Literature and Foreign Language	
4. Humanities Synthesis	
Area D Social Sciences	20
1. U.S. History, Constitution, American Ideals	
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	
Area E Lifelong Understanding & Self Development	4
Total Units	
68	

American Institutions	
Course	Units
Courses that satisfy this requirement may also satisfy GE Area D1	8

American Cultural Perspectives Requirement	
Course	Units
Refer to catalog for list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.	4

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.