



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

Plan (Major) CONSTRUCTION ENGINEERING TECHNOLOGY
Subplan/Option _____

Catalog Year 2013-2014
Minimum Units Required 198

Name _____
Student ID _____

TGA _____
GWT Satisfied _____ Yes _____ No

Required Core Courses		
Course		Units
Introduction to Construction Engineering Tech*	ETC 101	3
Construction Drafting I	ETC 130/130L	2/1
Construction Surveying I**	ETC 131/131L	2/2
Construction Surveying II	ETC 132/132L	2/2
Construction Drafting II	ETC 140/140L	2/1
Construction Materials	ETC 202	3
Construction Inspection	ETC 204	3
Construction Drawings & Spec	ETC 230/230L	1/2
Advanced Computer Applications & E-Const	ETC 250/250L	3/1
Electrical Installations	ETC 270/270L	3/1
Construction Cost Accounting	ETC 279/279L	2/1
Construction Estimating I	ETC 304	4
Construction Estimating II	ETC 305	4
Structural Theory	ETC 311	3
Construction Equipment & Methods	ETC 312	3
Timber & Formwork Design	ETC 315	4
Steel Design	ETC 316	3
Concrete & Masonry Design	ETC 317	3
Construction Cost Control	ETC 401	3
Contracts & Specifications	ETC 402	3
Construction Safety	ETC 403	3
Construction Planning & Scheduling	ETC 405	3
Construction Organization & Management	ETC 406	3
Foundations & Soil Mechanics	ETC 411/411L	3/1
Concrete Mix Design	ETC 431/431L	1/1
Undergraduate Seminar	ETT 460	2
Senior Project I & II***	ETT 461 & 462	2/2
*ETT 101/101L may be substituted for ETC 101		
**CE 134/134L may be substituted for ETC 131/131L		
***Approved Internships ETT 270, 470 may be applied as technical electives. See Academic Advisor.		
Total Units		88

Required Support Courses		
Course		Units
General Chemistry	CHM 121	3
General Chemistry Lab (B3)	CHM 121L	1
Applied Statics	ETT 210	3
Applied Strength of Materials	ETT 220/220L	3/1
Engineering Economics Analysis for ET	ETT 305	4
Applied Fluid Mechanics I	ETT 310/310L	3/1
Technical Calculus (B4)	MAT 130	4
Technical Calculus	MAT 131	4
College Physics (B1, B3)	PHY 121/121L	3/1
College Physics	PHY 122/122L	3/1
College Physics	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 Department Advisor		
Total Units		12

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 223	4
3 Laboratory Activity		IGE 224	4
4 Math/Quantitative Reasoning		Area A1	4
5 Science & Technology Synthesis		Area A3	4
		Area B	16
Area C Humanities	16	Area C1, C2, or C3	4
1 Visual and Performing Arts		Area C4	4
2 Philosophy and Civilization		Area D4	4
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 requirement. 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	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.