California State Polytechnic University, Pomona
Degree Curriculum Sheet

Plan (Major) **CONSTRUCTION ENGINEERING TECHNOLOGY** Catalog Year **2011-2012** Name _____ Evaluator _____
Subplan/Option _____ Minimum Units Required **198** Student ID _____ GWT Satisfied _____Yes ____No

Required Core Courses

Course		Units
*Students in this major are expected to **maintain** a GPA of at least 2.00 in all core courses.*		
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
	Total Units	**39**

Elective Support Courses

Course	Units
Technical Electives May include College Trigonometry Consult Department Advisor	12
Total Units	**12**

General Education Requirements

Area		Units	IGE (G.E. Alternative)	
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
Select at least one lab course from sub-area 1 or 2.			IGE 222	4
1	Physical Science		IGE 223	4
2	Biological Science		IGE 224	4
3	Laboratory Activity		Area A1	4
4	Math/Quantitative Reasoning		Area A3	4
5	Science & Technology Synthesis		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. require-ments.	
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 Courses that satisfy this requirement may also satisfy G.E. Area D1	8

American Cultural Perspectives Requirement 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

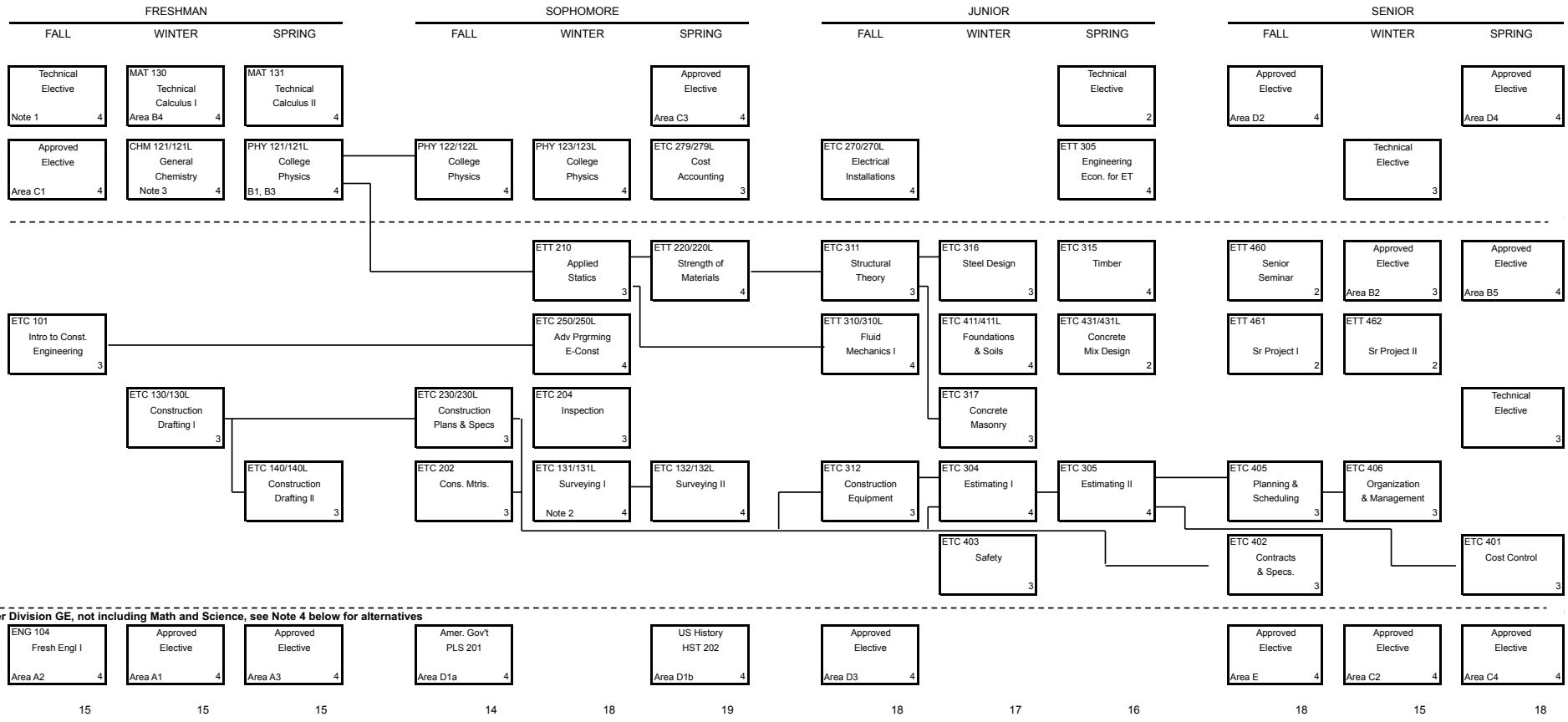
The remaining GE requirements may be satisfied by any course approved for that area.

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.

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
CONSTRUCTION ENGINEERING TECHNOLOGY
CURRICULUM FLOWSHEET
2011-12

NAME: _____

Academic Plan: ETC



Notes

Revised 12/9/2010

Total Units 198

1. May include College Trigonometry (MAT 106 at CPP) if taken before Calculus
2. CE134/L maybe substiuted for ETC131/L
3. Lab course used to satisfy GE Area B3.
4. An alternative GE pattern from that listed here, the Interdisplinary 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.
5. Approved Internships ETT270, 470 can only be applied as technical elective credit, see Academic Advisor for more details

This flowchart shows the suggested order of courses to complete the degree Bachelor of Science in Construction 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 prerequiste coursework.
Most major courses (i.e ETC130/L) are taught are taught 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).