California State Polytechnic University, Pomona
Degree Curriculum Sheet

Plan (Major) **CONSTRUCTION ENGINEERING TECHNOLOGY** Catalog Year **2007–2008** 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/Lab	ETC 130/L	3
Construction Surveying I/Lab**	ETC 131/L	4
Construction Surveying II/Lab	ETC 132/L	4
Construction Drafting II/Lab	ETC 140/L	3
Construction Materials	ETC 202	3
Construction Inspection	ETC 204	3
Construction Drawings & Spec/Lab	ETC 230/L	3
Advanced Computer Applications & E-Const/Lab	ETC 250/L	4
Electrical Installations/Lab	ETC 270/L	4
Construction Cost Accounting/Lab	ETC 279/L	3
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/Lab	ETC 411/L	4
Concrete Mix Design/Lab	ETC 431/L	2
Undergraduate Seminar	ETT 460	2
Senior Project I & II***	ETT 461 & 462	2/2
*ETT 101 may be substituted for ETC 101 **CE 134/L may be substituted for ETC 131/L ***ETT 470 (3+3) may be used to satisfy ETT 461, 462 and two units of technical electives.		
	Total Units	**88**

Required Support Courses

Course		Units	IGE (G.E. Alternative)	
Applied Statics	ETT 210	3	IGE 120	4
Applied Strength of Materials/Lab	ETT 220/L	4	IGE 121	4
Engineering Economics Analysis for ET	ETT 305	4	IGE 122	4
Applied Fluid Mechanics I/Lab	ETT 310/L	4	IGE 220	4
College Physics/Lab (B2)	PHY 121/L	4	IGE 221	4
College Physics/Lab	PHY 122/L	4	IGE 222	4
College Physics/Lab	PHY 123/L	4	IGE 223	4
General Chemistry	CHM 121	3	IGE 224	4
General Chemistry Lab (B2)	CHM 121L	1	Area A2	4
Technical Calculus (B1)	MAT 130	4	Area A3	4
Technical Calculus	MAT 131	4	Area B	16
			Area C1, C2, or C3	4
			Area C4	4
			Area D4	4
	Total Units	**39**	See University Catalog for information on how IGE meets G.E. requirements.	

Elective Support Courses

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

General Education Requirements

Area		Units
Area A	**Communication & Critical Thinking**	**12**
1	Written Communication	
2	Oral Communication	
3	Critical Thinking	
Area B	**Mathematics & Natural Sciences**	**16**
Select at least one lab course from sub-area 2 or 3.		
1	Math/Quantitative Reasoning	
2	Physical Science	
3	Biological Science	
4	Science & Technology Synthesis	
Area C	**Humanities**	**16**
1	Fine 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	
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. Areas D1.a and D1.b	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
Technical Calculus	MAT 130	B1
College Physics/Lab	PHY 121/L	B2
General Chemistry Lab	CHM 121L	B2

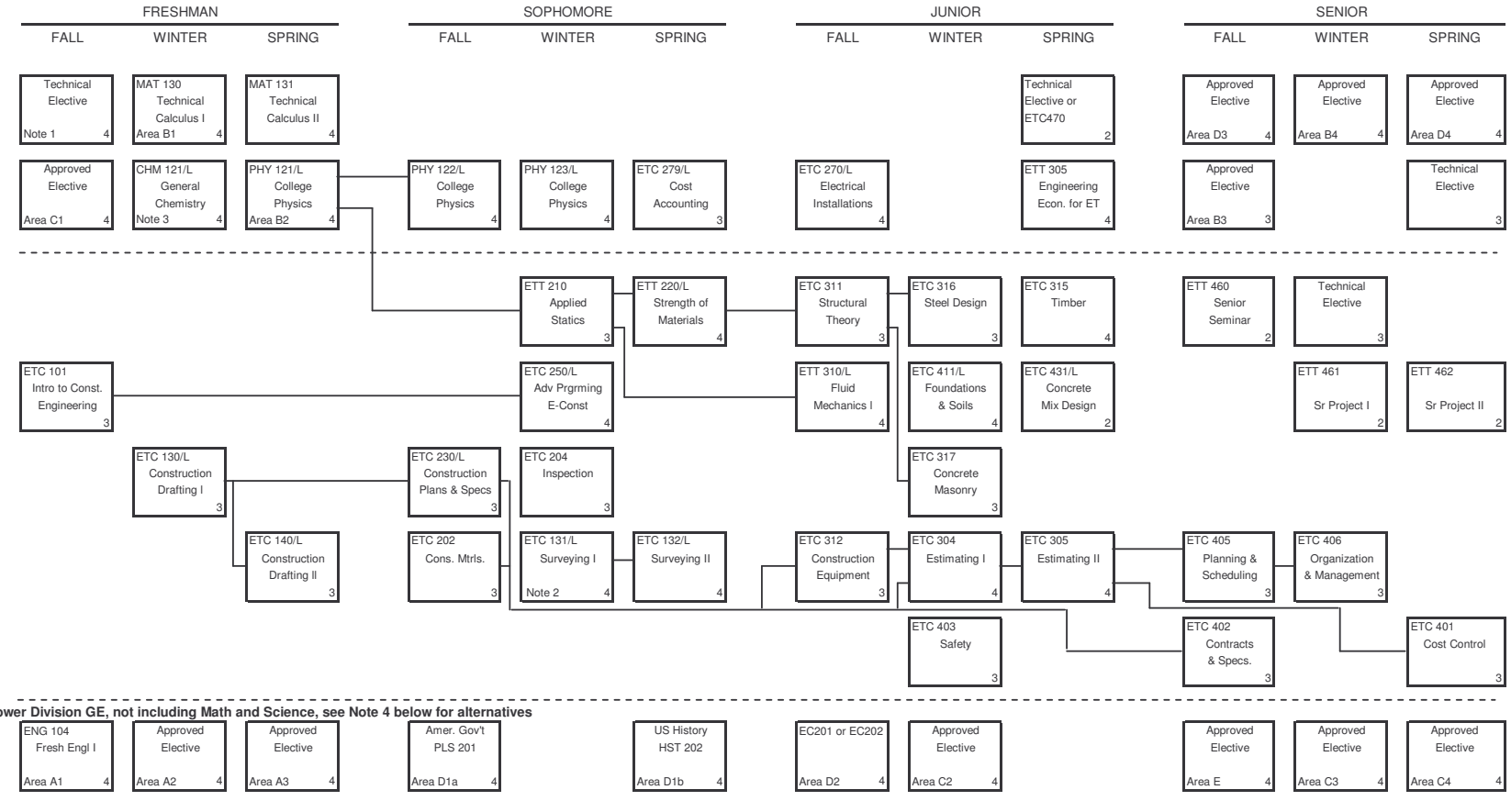
The remaining GE requirements may be satisfied by any course approved for that area.

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
2007-08

NAME: _____

Academic Plan: ETC



Notes

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 B2.
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. Starting with the 2007-08 degree program 6 units of ETC Internship ETC470 can be used to satisfy Senior Project ETT461, 462 and two units of technical elective (Sp Junior year).

Revised 11/8/2006
Updated 4/5/2007

Total Units 198

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).

	Fall	Units	Winter	Units	Spring	Units	Comment
Year 3	**ETT 310/310L** Major Support	4	**GE Area** Any approved course in area C2	4	**Tech Elective or ETC 470**	2	
	ETC 270/270L Major Core	4	**ETC 316** Major Core	3	**ETC 305** Major Core	4	
	ETC 311 Major Core	3	**ETC 403** Major Core	3	**ETC 315** Major Core	4	
	ETC 312 Major Core	3	**ETC 411/411L** Major Core	4	**ETC 431/431L** Major Core	2	
	EC 201 or EC 202 **GE area D2**	4	**ETC 304** Major Core	4	**ETC 305** Major Core	4	
			ETC 317 **Major Core**	3			
	Take the Graduation Writing Test						
	Total Units	**18**	**Total Units**	**21**		**16**	
					Total Units for Year	**55**	

	Fall	Units	Winter	Units	Spring	Units	Comment
Year 4	**ETT 460** Major Core	2	**ETC 406** Major Core	3	**ETC 401** Major Core	3	*Department approval required 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.*
	GE Area E	4	**Technical Elective** Major Support	3	**ETT 462** Major Core	2	
	GE Area B3	3	**ETT 461** Major Support	2	**GE Area Synthesis D4**	4	
	ETC 402 Major Core	3	**GE Area C3**	4	**GE Synthesis C4**	4	
	ETC 405 Major Core	3	**GE Synthesis B4**	4	Technical Elective Major Support	3	
	GE Area D3	4					
			Request a graduation check		*File an application to graduate*		
	Total Units	**19**	**Total Units**	**19**	**Total Units**	**16**	
					Total Units for Year	**51**	

Total Units on Plan	**198**	
Major Core Units	**88**	
Major Support Units	**42**	
General Education Units	**68**	
Unrestricted Elective Units	**0**	