



**California State Polytechnic University, Pomona
DEGREE REQUIREMENT EVALUATION**

ELM Satisfied	___ Yes ___ No
EPT Satisfied	___ Yes ___ No
GWT Satisfied	___ Yes ___ No

MAJOR (PLAN) **CONSTRUCTION ENGINEERING TECHNOLOGY** NAME _____
 OPTION/EMPHASIS (SUB-PLAN) _____ LAST _____ FIRST _____ MI _____
 UNITS REQUIRED FOR A BACHELOR'S DEGREE **198** STUDENT I.D. # _____

TERM ADMITTED _____ YEAR: **2006-2007**
 EVALUATOR _____
 DATE _____
 UPDATES _____

CORE COURSES	Units	SUPPORT COURSES	Units	IGE	GENERAL EDUCATION. Students may fulfill these requirements at Cal Poly Pomona with the General Education (GE) or the Interdisciplinary General Education (IGE) Programs. Select courses from approved lists shown in the Schedule of Classes unless specified.	
Students in this major are expected to <u>maintain</u> a GPA of at least 2.00 in all core courses.				IGE 120 4	GENERAL EDUCATION COURSES	Units
Introduction to Construction Engineering Tech** ETC 101 3		Applied Statics ETT 210 3		IGE 121 4	Area A Communication & Critical Thinking	12
Construction Drafting I/Lab ETC 130/L 3		Applied Strength of Materials/Lab ETT 220/L 4		IGE 122 4	1 Written Communication	
Construction Surveying I/Lab ETC 131/L 4		Engineering Economics Analysis for ET ETT 305 4		IGE 220 4	2 Oral Communication	
Construction Surveying II/Lab ETC 132/L 4		Applied Fluid Mechanics I/Lab ETT 310/L 4		IGE 221 4	3 Critical Thinking	
Construction Drafting II/Lab ETC 140/L 3		College Physics PHY 122 3		IGE 222 4		
Construction Materials ETC 202 3		College Physics/Lab PHY 123/L 4		IGE 223 4	Area B Mathematics & Natural Sciences	16
Construction Inspection ETC 204 3		College Chemistry/Lab CHM 121/L 4		IGE 224 4	1 Math/Quantitative Reasoning	
Construction Drawings & Spec/Lab ETC 230/L 3		Technical Calculus MAT 131 4		COM 216 4	2 Physical Science	
Advanced Computer Applications & E-Const/Lab ETC 250/L 4		Technical Electives 12		COM 204 4	3 Biological Science	
Electrical Installations/Lab ETC 270/L 4		May include College Trigonometry		EC 201/202 4	4 Science & Technology Synthesis***	
Construction Cost Accounting/Lab ETC 279/L 3		Consult Department Advisor		Area B 16		
Construction Estimating I ETC 304 4		Freshman English* (A1) ENG 104 4		Area C4 4	Area C Humanities	16
Construction Estimating II ETC 305 4		Technical Calculus* (B1) MAT 130 4		Area D4 4	1 Fine and Performing Arts	
Structural Theory ETC 311 3		Physical Science* (B2) PHY 121/L 4			2 Philosophy and Civilization	
Construction Equipment & Methods ETC 312 3		Physical Science* (B2) PHY 122L 4			3 Literature and Foreign Language	
Timber & Formwork Design ETC 315 4		American Government* (D1a) PLS 201 4			4 Humanities Synthesis***	
Steel Design ETC 316 3		U.S. History* (D1b) HST 202 4				
Concrete & Masonry Design ETC 317 3					Area D Social Sciences	20
Construction Cost Control ETC 401 3					1 U.S. History, Constitution, American Ideals:	
Contracts & Specifications ETC 402 3					a. Political Science	
Construction Safety ETC 403 3					b. U.S. History	
Construction Planning & Scheduling ETC 405 3					2 History, Economics and Political Science	
Construction Organization & Management ETC 406 3					3 Sociology, Anthropology, Ethnic & Gender Studies	
Foundations & Soil Mechanics/Lab ETC 411/L 4					4 Social Science Synthesis***	
Concrete Mix Design/Lab ETC 431/L 2						
Undergraduate Seminar ETT 460 2					Area E Lifelong Understanding & Self Development	4
Senior Project I & II ETT 461 & 462 2/2					Lifelong Understanding	
ETT 101 may be substituted for ETC 101.					*Consult department advisor	
		SUMMARY OF ADVANCED STANDING CREDIT: Earned Hours _____ G.P.A. Hours _____ Quality Points _____ G.P.A. _____				

NOT MORE THAN 105 UNITS FROM A COMMUNITY COLLEGE NOR MORE THAN 36 UNITS OF EXTENSION WORK MAY BE APPLIED TOWARD A BACHELOR'S DEGREE.
 A 2.0 CUMULATIVE GPA IS REQUIRED IN CORE COURSES INCLUDING OPTION COURSES IN ORDER TO RECEIVE A DEGREE IN THIS MAJOR.

**Engineering Technology Department
Construction Engineering Technology Major
Curriculum Year: 2006-2007**

*Your department has developed this road plan, taking into account prerequisites and schedule restrictions.
You should pay attention to these concerns when deviating from this plan.*

Year 1	Fall	Units	Winter	Units	Spring	Units	Comment
	ETC 101 Major Core	3	CHM 121/121L Major Support	4	ETC 140/140L Major Core	3	<i>Students in this major are expected to maintain a GPA of at least 2.00 in all core courses.</i>
	Technical Elective Major Support	4	ETC 130/130L Major Core	3	PHY 121/121L GE Area B2	4	
	ENG 104 GE Area A1	4	Technical Elective Major Support	4	MAT 130 GE Area B1	4	<i>ETT 101 may be substituted for ETC 101.</i>
	GE Area Any approved course in area B3, C1-3, D2, or E	4	Approved Elective GE Area A2	4	Approved Elective GE Area A3	4	<i>MAT 130, PHY 121/21L, and PHY 122L satisfy both major and general education requirements</i>
							<i>One course must be completed in each of the GE areas A2-3, B1-3, C1-3, D3, and E.</i>
Total Units	15	Total Units	15	Total Units	15		
					Total Units for Year	45	

Year 2	Fall	Units	Winter	Units	Spring	Units	Comment
	PHY 122 Major Support	3	PHY 123/123L Major Support	4	ETT 220/220L Major Support	4	
	MAT 131 Major Support	4	ETT 210 Major Support	3	ETC 132/132L Major Core	4	
	PHY 122L GE Area B2	1	ETC 131/131L Major Core	4	ETC 279/279L Major Core	3	
	ETC 230/230L Major Core	3	ETC 204 Major Core	3	HST 202 GE Area D1b	4	
	PLS 201 GE Area D1a	4	ETC 250/250L Major Core	4	GE Area Any approved course in area B3, C1-3, D2, or E	4	
Total Units	15	Total Units	18	Total Units	19		
					Total Units for Year	52	

Year 3	Fall	Units	Winter	Units	Spring	Units	Comment
	ETT 310/310L Major Support	4	GE Area Any approved course in area B3, C1-3, D2, or E	4	GE Area Any approved course in area B3	3	
	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	
	SOC or PLS 390 GE area D3	4	ETC 202 Major Core	3	ETC 304 Major Core	4	
	<i>Take the Graduation Writing Test</i>						
Total Units	18	Total Units	17		17		
Total Units for Year						52	

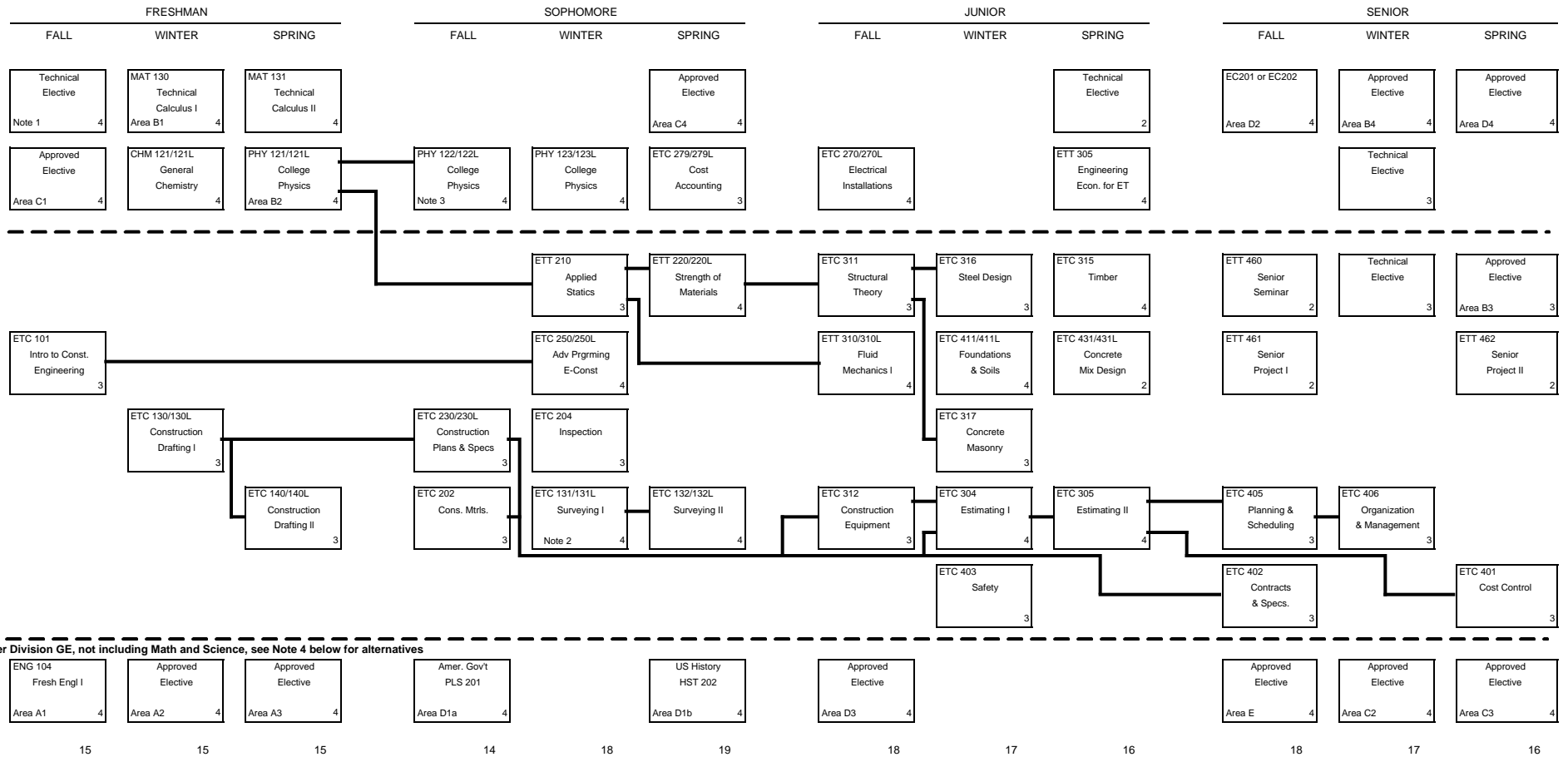
Year 4	Fall	Units	Winter	Units	Spring	Units	Comment
	ETT 460 Major Core	2	ETC 406 Major Core	3	ETC 401 Major Core	3	<i>Department approval required for selection of GE Synthesis Area B4.</i>
	ETT 461 Major Core	2	Technical Elective Major Support	4	ETT 462 Major Core	2	<i>All GE Area A courses and all lower division GE courses in a GE area must be completed before taking the GE Synthesis course in that area.</i>
	ETC 317 Major Core	3		ETT 305 Major Support	4	GE Area Any approved course in area B3, C1-3, D2, or E	
	ETC 402 Major Core	3	GE Area Any approved course in area B3, C1-3, D2, or E	4	GE Synthesis Any approved course in area B4, C4, or D4	4	
	ETC 405 Major Core	3	GE Synthesis Any approved course in area B4, C4, or D4	4			
	GE Synthesis Any approved course in area B4, C4, or D4	4					
			<i>Request a graduation check</i>		<i>File an application to graduate</i>		
Total Units	17	Total Units	19	Total Units	13		
Total Units for Year						49	

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

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
CONSTRUCTION ENGINEERING TECHNOLOGY
CURRICULUM FLOWSHEET
2006-07

NAME: _____

Academic Plan: ETC



Lower Division GE, not including Math and Science, see Note 4 below for alternatives

Notes

1. May include College Trigonometry (MAT 106 at CPP) if taken before Calculus
2. CE134/L maybe substituted for ETC131/L
3. Lab course used to satisfy GE Area B2.
4. An alternative GE pattern from that listed here, the Interdisciplinary 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.

Revised 3/8/2006

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 prerequisite 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).