



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

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

MAJOR CIVIL ENGINEERING (5252) NAME _____
 OPTION/EMPHASIS Environmental Engineering LAST _____ FIRST _____ MI _____
 UNITS REQUIRED 202 STUDENT I.D. # _____

TERM ADMITTED _____ YEAR: **2004-2005**
 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.																																																																			
<p><i>Students in this major are expected to <u>maintain</u> a GPA of at least 2.00 in all core courses.</i></p>																																																																								
CAD Engine Concepts	CE 127/L 3	Gen Chemistry	CHM 121/L 4	IGE 120 4	<table border="1"> <thead> <tr> <th colspan="2">GENERAL EDUCATION COURSES</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td colspan="3">Area A Communication and Critical Thinking–12 units</td> </tr> <tr> <td>1</td> <td>ENG 104</td> <td>4</td> </tr> <tr> <td>2</td> <td>COM 204</td> <td>4</td> </tr> <tr> <td>3</td> <td>ENG 105</td> <td>4</td> </tr> <tr> <td colspan="3">Area B Math and Natural Sciences–16 units</td> </tr> <tr> <td>1</td> <td><u>MAT 114</u></td> <td>4</td> </tr> <tr> <td>2</td> <td><u>PHY 131/131L, 132L</u></td> <td>5</td> </tr> <tr> <td>3</td> <td>Biological Science</td> <td>3</td> </tr> <tr> <td>4</td> <td>GSC 321/321L</td> <td>4</td> </tr> <tr> <td colspan="3">Area C Humanities– 16 units</td> </tr> <tr> <td>1</td> <td>Fine/Performing Arts</td> <td>4</td> </tr> <tr> <td>2</td> <td>Philosophy and Civilization</td> <td>4</td> </tr> <tr> <td>3</td> <td>Literature and Foreign Language</td> <td>4</td> </tr> <tr> <td>4</td> <td>EGR 402</td> <td>4</td> </tr> <tr> <td colspan="3">Area D Social Sciences– 20 units</td> </tr> <tr> <td>1</td> <td>PLS 201, HST 202</td> <td>8</td> </tr> <tr> <td>2</td> <td><u>CE 301</u></td> <td>4</td> </tr> <tr> <td>3</td> <td>Approved D3</td> <td>4</td> </tr> <tr> <td>4</td> <td>Social Science Synthesis*</td> <td>4</td> </tr> <tr> <td colspan="3">Area E Lifelong Understanding and Self-Development–4 units</td> </tr> <tr> <td></td> <td></td> <td></td> <td>4</td> </tr> </tbody> </table>	GENERAL EDUCATION COURSES		Units	Area A Communication and Critical Thinking–12 units			1	ENG 104	4	2	COM 204	4	3	ENG 105	4	Area B Math and Natural Sciences–16 units			1	<u>MAT 114</u>	4	2	<u>PHY 131/131L, 132L</u>	5	3	Biological Science	3	4	GSC 321/321L	4	Area C Humanities– 16 units			1	Fine/Performing Arts	4	2	Philosophy and Civilization	4	3	Literature and Foreign Language	4	4	EGR 402	4	Area D Social Sciences– 20 units			1	PLS 201, HST 202	8	2	<u>CE 301</u>	4	3	Approved D3	4	4	Social Science Synthesis*	4	Area E Lifelong Understanding and Self-Development–4 units						4
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Elem Surveying	CE 134/L 4	Gen Chemistry	CHM 122/L 4	IGE 121 4																																																																				
Computers in CE	CE 210/L 2	Anal Geom/Calc II	MAT 115 4	IGE 122 4																																																																				
Structural Anal I	CE 304 4	Anal Geom/Calc III	MAT 116 4	IGE 220 4																																																																				
Structural Anal II	CE 305 4	Calc of Several Vari I	MAT 214 3	IGE 221 4																																																																				
Structural Mat Lab	CE 306L 1	Differential Equations	MAT 216 4	IGE 222 4																																																																				
Geotech Engr I	CE 325 2	General Physics	PHY 132 3	IGE 223 4																																																																				
Geotech Engr II	CE 326 3	General Physics	PHY 133 4	IGE 224 4																																																																				
Geotech Lab	CE 327L 1	Statistical Methods	IME 301 3	COM 204 4																																																																				
Hydraulic Engr	CE 332/L 4		or STA 309 3	CE 301 4																																																																				
Technical Communication	CE 362/A 3			ENG 105 4																																																																				
Str. Des-Rein Conc	CE 421 4			Area B 16																																																																				
Concrete Design Lab	CE 422L 1			Area C4 4																																																																				
Water Supply Engr	CE 431/L 4			Area D4 4																																																																				
Vector Statics	ME 214 3																																																																							
Vector Dynamics	ME 215 4																																																																							
Strength Matls	ME 218 3																																																																							
Fluid Mechanics	ME 311 3																																																																							
REQUIRED OPTION COURSES																																																																								
Aquatic Ecology	BIO 305 4																																																																							
Intro to Civil Engr	CE 122 1																																																																							
Comp Prg & Num Meth	CE 303/A 3																																																																							
Envir Resource Sys	CE 351/L 4																																																																							
Structural Des-Steel	CE 406 4																																																																							
Water Quality Engr	CE 432/L 4																																																																							
Ind & Haz Wastes	CE 434/L 4																																																																							
Engr Hydrology	CE 451/L 4																																																																							
Solid Waste Management	CE 457 3																																																																							
Design Project	CE 461, 462, 463/A																																																																							
or	CE 491, 492, 493																																																																							
Tech Elect**	CE XXX 3																																																																							
Thermodynamics	ME 301 4																																																																							
Groundwater	CE 456/L 4																																																																							
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UNITS REQUIRED:	101	UNITS REQUIRED:	33	UNITS REQUIRED:	68																																																																			

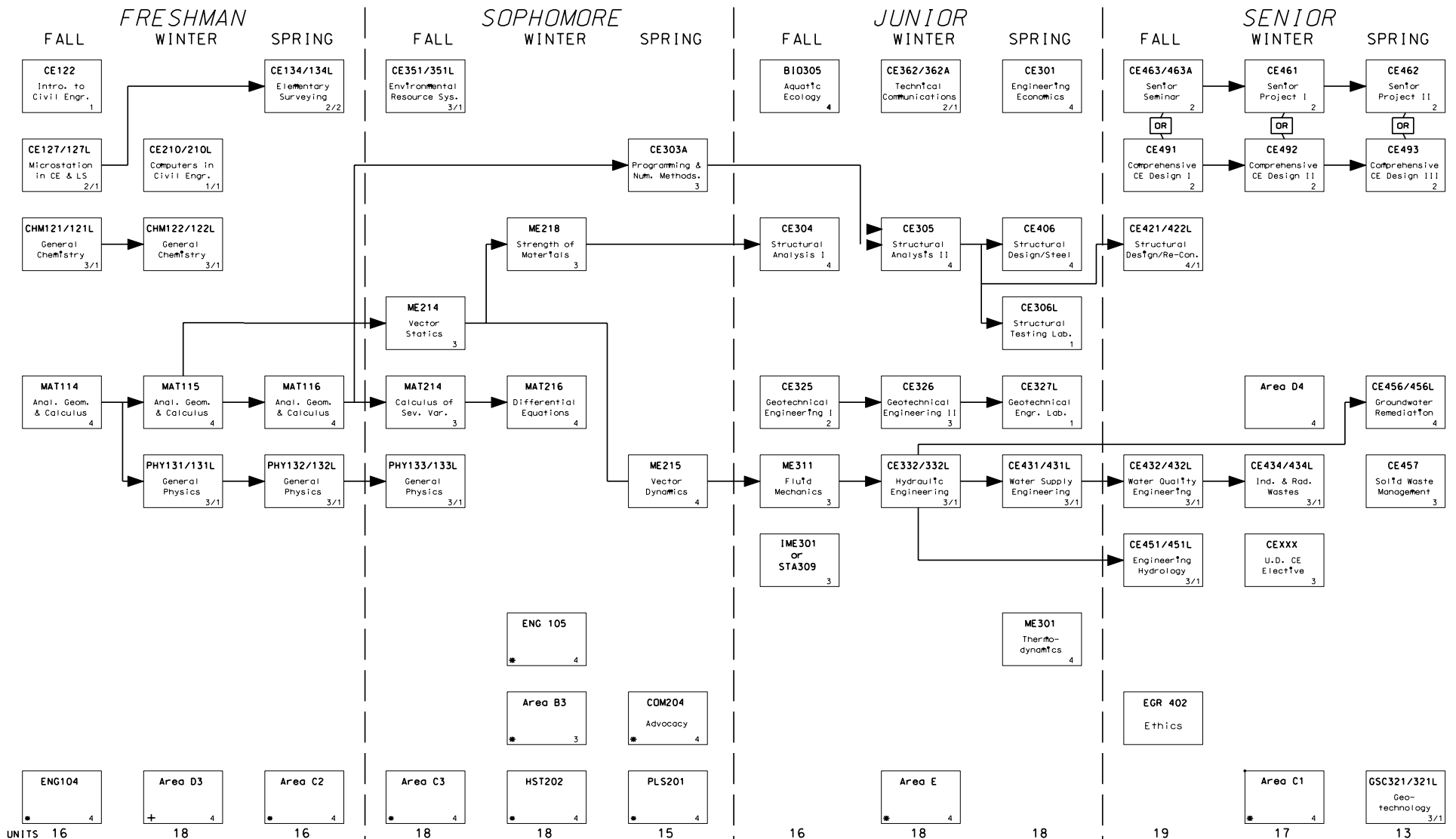
NOT MORE THAN 105 UNITS FROM A COMMUNITY COLLEGE NOR MORE THAN 36 UNITS OF EXTENSION WORK MAY BE APPLIED TOWARD A BACHELOR'S DEGREE.
 A 2.0 CUMULATIVE GPA IS REQUIRED IN CORE COURSES INCLUDING OPTION COURSES IN ORDER TO RECEIVE A DEGREE IN THIS MAJOR.

CALIFORNIA STATE POLYTECHNIC UNIVERSITY POMONA CIVIL ENGINEERING DEPARTMENT CURRICULUM

AY
2004/2005

ENVIRONMENTAL ENGINEERING OPTION

NAME: _____ DATE: __/__/__



Students are responsible for prerequisites. Refer to the current University Catalog.

* Qualified students may substitute IGE sequence for courses with asterisk. See University Catalog.

+ Course must be approved in advance by advisor

TOTAL = 202

Revision 1/27/2004