



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

ELM Satisfied \_\_\_ Yes \_\_\_ No  
 EPT Satisfied \_\_\_ Yes \_\_\_ No  
 GWT Satisfied \_\_\_ Yes \_\_\_ No

MAJOR **CIVIL ENGINEERING (5253)** NAME \_\_\_\_\_  
 OPTION/EMPHASIS **Surveying Engineering** LAST \_\_\_\_\_ FIRST \_\_\_\_\_ MI \_\_\_\_\_  
 UNITS REQUIRED **202** STUDENT I.D. # \_\_\_\_\_

TERM ADMITTED \_\_\_\_\_ YEAR: **2003-2004**  
 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.																																																																								
<i>Students in this major are expected to maintain a GPA of at least 2.00 in all core courses.</i>																																																																													
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"><b>Area A Communication and Critical Thinking–12 units</b></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"><b>Area B Math and Natural Sciences–16 units</b></td> </tr> <tr> <td>1</td> <td>MAT 114</td> <td>4</td> </tr> <tr> <td>2</td> <td>PHY 131/131L, 132L</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"><b>Area C Humanities– 16 units</b></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"><b>Area D Social Sciences– 20 units</b></td> </tr> <tr> <td>1</td> <td>PLS 201, HST 202</td> <td>8</td> </tr> <tr> <td>2</td> <td>CE 301</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"><b>Area E Lifelong Understanding and Self-Development–4 units</b></td> </tr> <tr> <td colspan="3"></td> <td>4</td> </tr> <tr> <td colspan="5"> <p><u>Underlined courses</u> satisfy both major and general education requirements.</p> <p>*Department Approval Required</p> </td> </tr> </tbody> </table>	GENERAL EDUCATION COURSES		Units	<b>Area A Communication and Critical Thinking–12 units</b>			1	ENG 104	4	2	COM 204	4	3	ENG 105	4	<b>Area B Math and Natural Sciences–16 units</b>			1	MAT 114	4	2	PHY 131/131L, 132L	5	3	Biological Science	3	4	GSC 321/321L	4	<b>Area C Humanities– 16 units</b>			1	Fine/Performing Arts	4	2	Philosophy and Civilization	4	3	Literature and Foreign Language	4	4	EGR 402	4	<b>Area D Social Sciences– 20 units</b>			1	PLS 201, HST 202	8	2	CE 301	4	3	Approved D3	4	4	Social Science Synthesis*	4	<b>Area E Lifelong Understanding and Self-Development–4 units</b>						4	<p><u>Underlined courses</u> satisfy both major and general education requirements.</p> <p>*Department Approval Required</p>				
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CE 134/L	4	Gen Chemistry	CHM 122/L	4																																																																									
CE 210/L	2	Anal Geom/Calc II	MAT 115	4																																																																									
CE 304	4	Anal Geom/Calc III	MAT 116	4																																																																									
CE 305	4	Calc of Several Vari I	MAT 214	3																																																																									
CE 306L	1	Differential Equations	MAT 216	4																																																																									
CE 325	2	General Physics	PHY 132	3																																																																									
CE 326	3	General Physics	PHY 133/L	4																																																																									
CE 327L	1	Statistical Methods	IME 301	3																																																																									
CE 332/L	4		or STA 309																																																																										
CE 362/A	3			ENG 105 4																																																																									
CE 421	4			Area B 16																																																																									
CE 422L	1			Area C4 4																																																																									
CE 431/L	4			Area D4 4																																																																									
ME 214	3																																																																												
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ME 218	3																																																																												
ME 311	3																																																																												
<b>REQUIRED OPTION COURSES</b>																																																																													
Advanced Surveying	CE 220/L 4																																																																												
Highway Engr Des	CE 222/L 4																																																																												
Surveying Computations	CE 240 3																																																																												
Geodetic Satellite Surv	CE 311 4																																																																												
Land Surv Des	CE 313 4																																																																												
Pub Land Surv	CE 331 3																																																																												
Digital Mapping	CE 420/L 4																																																																												
Photogrammetry	CE 427/L 4																																																																												
Engr Hydrology	CE 451/L 4																																																																												
Design Project	CE 461, 462, 464/A or CE 491, 492, 464																																																																												
Subdivision Engr	CE 482/L 4																																																																												
GIS in Engineering	CE 484/L 4																																																																												
<b>UNITS REQUIRED: 101</b>		<b>UNITS REQUIRED: 33</b>		<b>UNITS REQUIRED: 68</b>																																																																									

**SUMMARY OF ADVANCED STANDING CREDIT:**  
 Earned Hours \_\_\_\_\_  
 G.P.A. Hours \_\_\_\_\_  
 Quality Points \_\_\_\_\_  
 G.P.A. \_\_\_\_\_

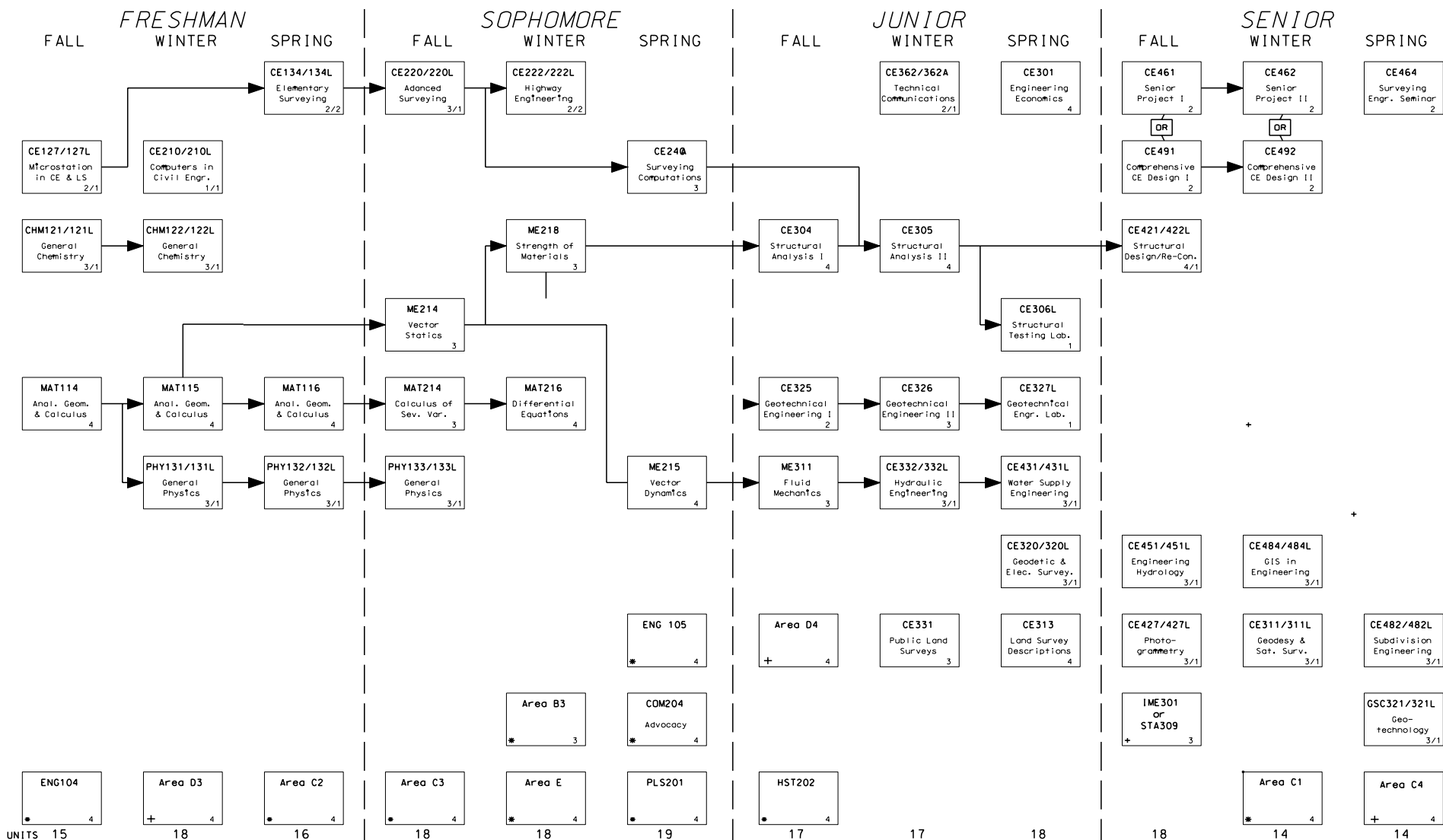
NOT MORE THAN 105 UNITS FROM A COMMUNITY COLLEGE NOR MORE THAN 36 UNITS OF EXTENSION WORK MAY BE APPLIED TOWARD A BACHELOR'S DEGREE.  
 A 2.0 CUMULATIVE GPA IS REQUIRED IN CORE COURSES INCLUDING OPTION COURSES IN ORDER TO RECEIVE A DEGREE IN THIS MAJOR.

# CALIFORNIA STATE POLYTECHNIC UNIVERSITY POMONA CIVIL ENGINEERING DEPARTMENT CURRICULUM

AY  
2003/2004

## SURVEYING 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 5/30/2002