

BS CIVIL ENGINEERING

2007-2009

updated 04/23/07

Units Required 196

NAME _____
 STUDENT ID _____
 CONCENTRATION _____
 MINOR _____

DEGREE DATE	Earned Hours	Quality Hours	Quality Points	GPA
Transfer				
Cal Poly				
Transcript Totals				
	<= Units that are NOT Degree Applicable			
	<= Degree Applicable Units			

Major GPA at least 2.00 _____ [] YES [] NO
 US Cultural Pluralism Met++ [] YES [] NO
 60 Units Upper Division Met Taken/Remaining [] YES [] NO
 GWR Met [] YES [] NO
 Upper Div GE Met Taken/Remaining [] YES [] NO

Note: No Major, Support or Concentration courses may be taken credit/no credit

**=Courses satisfy GE requirement*

MAJOR COURSES (74)	Units	Grade	GrdPts
CE 111 Introduction to Civil Engineering	1		
CE 114 Intro CAD in Civil & Env Engr	4		
CE 201 Mechanics of Materials (6) <i>or</i> CE 204 Mechanics of Materials I <i>and</i> CE 207 Mechanics of Materials II	6 <i>or</i> 3 <i>and</i> 3		
CE 221 Fund Transportation Engr	3		
CE 222 Fund Transportation Engr Lab	2		
CE 251 Numerical Methods in Civil Engr	4		
CE 259 Civil Engineering Materials	2		
CE 336 Water Resources Engineering	4		
CE 337 Hydraulics Lab	1		
CE 351 Structural Analysis	4		
CE 355 Reinforced Concrete Design	4		
CE 356 Structural Steel Design	4		
CE 381 Geotechnical Engineering	4		
CE 382 Geotechnical Engineering Lab	1		
CE 461 (2) & 462 (2) Senior Project I, II <i>or</i> CE 466 (2) & 467 (2) Sen. Proj. Des Lab I, II <i>or</i> CE 468 (2) & 469 (2) Comm. Engr. Sen. Proj. I, II	3 3 3		
Advisor approved emphasis area to be selected from: general civil, geotechnical, structural, transportation, or water resources engineering	14		
^{1,2,3} Advisor Approved Technical Electives	10		

PHYS 132 General Physics II	4
PHYS 133 General Physics III	4
STAT 312 Statistical Methods for Engr (B6)*	4
⁴ Advisor approved engineering science elective	3

GENERAL EDUCATION (GE) (40)

72 units required; 32 units are in Support.

Refer to current schedule or www.calpoly.edu/~acadprog/gened/ to choose GE courses. You will not receive credit for courses not on the approved lists.

Minimum of 8 units required at the 300-400 level

Area A Communication	8
A1 ENGL 133/134	4
A2 COMS 101/102	4
Area B Science and Mathematics (no add'l units req'd)	
28 units are specified in Support	0
Area C Arts and Humanities	16
C1 Literature	4
C2 Philosophy: PHIL 230/231	4
C3 Fine/Performing Arts	4
C4 Upper-division (300-elective)	4
Area D/E Society and the Individual	16
D1 The American Experience (40404)	4
D2 Political Economy	4
D3 Comparative Social Institutions	4
D4 Self Development (CSU Area E)	4
Additional GE (if needed)	
ELECTIVES	0

O = Work in progress @ = possible credit by Department review
 () = not allowed for degree credit # = GE Certification

- To be selected after consultation with academic advisor.
- More than 4 units of advisor-approved coursework outside CE/ENVE is only permitted in special/unusual cases, requires written justification by the student, and approval by the Dept chair.
- No more than 4 total units of advisor-approved technical elective credit from CE 400, 500 and ENVE 400, 500 combined.
- Please see www.eadvise.calpoly.edu for the current list of approved courses

SUPPORT COURSES (82)

BIO 213 <i>and</i>	2
ENGR/BRAE 213 (B2)*	2
BRAE 239 Engineering Surveying	4
CHEM 124 Gen Chem for Engineering (B3/B4)*	4
CHEM 125 Gen Chem for Engineering	4
ENGL 149 Technical Writing for Engineers (A3)*	4
ENVE 331 Intro to Environmental Engineering	4
GEOL 201 Physical Geology	3
MATE 210 Materials Engineering	3
MATE 215 Materials Laboratory I	1
MATH 141 Calculus I (B1)*	4
MATH 142 Calculus II (B1)*	4
MATH 143 Calculus III (Add'l Area B)*	4
MATH 241 Calculus IV	4
MATH 244 Linear Analysis I	4
ME 211 Engineering Statics	3
ME 212 Engineering Dynamics	3
ME 302 Thermodynamics	3
ME 341 Fluid Mechanics I	3
PHYS 141 General Physics IA (Add'l Area B)*	4