

**BS ENVIRONMENTAL ENGINEERING**

**2007-09 Cal Poly Catalog**

Civil & Environmental Engineering Department  
 Engineering Bldg. (13), Room 263  
 (805) 756-2947

- ☐ 60 units upper division      ☐ GWR
- ☐ 2.0 GPA                              ☐ USCP

\* = Satisfies General Education requirement

**MAJOR COURSES**

CE 201 or CE 204, 207 Mechanics of Materials	6
CE 336 Water Resources Engineering	4
CE 337 Hydraulics Laboratory	1
CE 381 Geotechnical Engineering	4
CE 434 Groundwater Hydraulics and Hydrology	3
ENVE 111 Intro to Env. Engineering Profession	1
ENVE 304 Thermodynamics of Processes	4
ENVE 309 Noise and Vibration Control	3
ENVE 325 Environmental Air Quality	3
ENVE 331 Intro to Environmental Engineering	4
ENVE 411 Air Pollution Control	3
ENVE 416 Environmental Process Modeling	4
ENVE 421 Mass Transfer Operations	3
ENVE 426 Air Quality Measurements	3
ENVE 434 Water Quality Measurements	4
ENVE 436 Intro Hazardous Waste Management	3
ENVE 438 Water & Wastewater Treatment Design	3
ENVE 439 Solid Waste Management	3
ENVE 450 Industrial Pollution Prevention	4
ENVE 455 Environmental Health and Safety	4
ENVE 466, 467 Senior Project Design Lab	2,2
<sup>1,2</sup> Advisor approved technical electives	10
	<b>81</b>

**SUPPORT COURSES**

<sup>3</sup> CHEM 127 General Chemistry I (B3/B4)*	4
CHEM 128 General Chemistry II	4
CHEM 129 General Chemistry III	4
CHEM 312 Surv Org Chem ( <i>trans equiv CHEM 212</i> )	5
CSC 231 Fortran or CSC 234 C/UNIX	2
EE 201 Electric Circuit Theory	3
ENGL 149 Technical Writing for Engineers (A3)*	4
MATH 141, 142 Calculus I, II (B1)*	4,4
MATH 143 Calculus III (Add'l Area B)*	4
MATH 241 Calculus IV	4
MATH 244 Linear Analysis I	4
MCRO 221 Microbiology (B2)*	4
ME 211, 212 Engr Statics, Engr Dynamics	3,3
ME 341 Fluid Mechanics I	3
PHYS 141 General Physics IA (Add'l Area B)*	4
PHYS 132, 133 General Physics II, III	4,4
STAT 312 Statistical Methods for Engineers (B6)*	4

**75**

**GENERAL EDUCATION (GE)**

72 units required; 32 units are in Support.  
 →See page 56 for complete GE course listing.  
 →Minimum of 8 units required at the 300-400 level.

**Area A Communication (8 units)**

A1 Expository Writing	4
A2 Oral Communication	4
A3 Reasoning, Argumentation, and Writing * 4 units in Support	0

**Area B Science and Mathematics (no add'l units required)**

B1 Mathematics/Statistics * 8 in Support	0
B2 Life Science * 4 units in Support	0
B3 Physical Science * 4 in Support	0
B4 One lab taken with either a B2 or B3 course	
B5 (requirement for Liberal Arts students only)	
B6 Upper-division Area B * 4 in Support	0
Additional Area B units* 8 in Support	0

**Area C Arts and Humanities (16 units)**

C1 Literature	4
C2 Philosophy	4
C3 Fine/Performing Arts	4
C4 Upper-division elective (PHIL 340 or FNR 360 recommended)	4

**Area D/E Society and the Individual (16 units)**

D1 The American Experience (40404)	4
D2 Political Economy	4
D3 Comparative Social Institutions	4
D4 Self Development (CSU Area E)	4

**40**

**ELECTIVES**

**0**

**196**

<sup>1</sup> To be selected in accordance with the A.B.E.T. 24-unit and Culminating Engineering Design requirement, in consultation with your academic advisor.  
<sup>2</sup> No more than 4 units of ENVE 400 or CE 400 can be counted towards technical electives.  
<sup>3</sup> CHEM 124, 125 substitute for CHEM 127, 128.