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 3
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

1,2 Advisor approved technical electives 10

SUPPORT COURSES
3 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 (trans equiv CHEM 212) 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

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

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 0
B5 (requirement for Liberal Arts students only) 0
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

ELECTIVES 0

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