

**BS ENVIRONMENTAL ENGINEERING****2015-2017**updated  
10.04.16**Units Required 190**

**NOTE:** This document can be used as a compact display of courses and other curricular requirements at the time of publication of the 2015-2017 catalog. The Degree Progress Report must be used to track students' progress in all degree requirements, throughout their Cal Poly career.

**Note:** No major or support courses may be selected as credit/no credit.

<b>MAJOR COURSES (84)</b>	<b>Units</b>
CE 113 Computer Aided Drafting	2
CE 204 Mechanics of Materials I	3
CE 207 Mechanics of Materials II	2
CE 336 Water Resources Engineering	4
CE 337 Hydraulics Laboratory	1
CE 381 Geotechnical Engineering	4
CE 434 Groundwater Hydraulics and Hydrology	4
ENVE 111 Intro to Env. Engr Profession	1
ENVE 264 Environmental Fluid Mechanics	4
ENVE 304 Process Thermodynamics	3
ENVE 309 Noise and Vibration Control	3
ENVE 325 Air Quality Engineering	4
ENVE 331 Intro to Environmental Engineering	4
ENVE 411 Air Pollution Control	3
ENVE 421 Mass Transfer Operations	4
ENVE 426 Air Quality Measurements	3
ENVE 434 Water Chem/ Quality Measurements	4
ENVE 436 Intro to Solid/ Hazard Waste Mgmt	4
ENVE 438 Water/Wastewater Treat Design	3
ENVE 450 Industrial Pollution Prevention	4
ENVE 455 Environmental Health and Safety	4
ENVE 466 Senior Project Design Lab I	2
ENVE 467 Senior Project Design Lab II	2
Technical Electives <sup>1,2</sup>	12

**SUPPORT COURSES (66)**

CHEM 124 General Chemistry for Engr I (B3/B4) <sup>3</sup>	4
CHEM 125 General Chemistry for Engr II	4
CHEM 126 General Chemistry for Engr III	4
CHEM 312 Survey of Organic Chem (trans equiv CHEM 212)	5
CSC 231 Programming for Engineering Students	2
ENGL 149 Technical Writing for Engineers (A3) <sup>3</sup>	4
MATH 141 Calculus I (B1) <sup>3</sup>	4
MATH 142 Calculus II (B1) <sup>3</sup>	4
MATH 143 Calculus III (Add'l Area B) <sup>3</sup>	4
MATH 241 Calculus IV	4
MATH 244 Linear Analysis I	4
MCRO 221 (B2) <sup>3</sup> <i>or</i> MCRO 224 (B2) <sup>3</sup>	4
ME 211 Engineering Statics	3
PHYS 141 General Physics IA (Add'l Area B) <sup>3</sup>	4
PHYS 132 General Physics II	4
PHYS 133 General Physics III	4
STAT 312 Statistical Methods for Engineers (B6) <sup>3</sup>	4

**GENERAL EDUCATION (GE)****40**

72 units required, 32 of which are specified in Support

Refer to [current schedule](#) or <http://www.ge.calpoly.edu> to choose GE courses.  
You will not receive credit for courses not on the approved lists.

**Minimum of 8 units required at the 300 level.****Area A Communication****8**

A1 Expository Writing ..... 4

A2 Oral Communication ..... 4

A3 Reasoning, Argu & Writing (4 units in Support)<sup>3</sup>**Area B Science and Mathematics (no add'l units req'd)**

28 units are listed in Support

**Area C Arts and Humanities****16**

C1 Literature ..... 4

C2 Philosophy ..... 4

C3 Fine/Performing Arts ..... 4

C4 Upper-division elective<sup>4</sup> ..... 4**Area D/E Society and the Individual****16**

D1 The American Exp (40404) ..... 4

D2 Political Economy ..... 4

D3 Comp Social Institutions ..... 4

D4 Self Dev (CSU Area E) ..... 4

**FREE ELECTIVES ..... 0****OTHER DEGREE REQUIREMENTS:**

- Cal Poly, Higher Ed, and Major GPA must all be at least 2.00
- For students admitted Fall 2016 and after, a grade of C- or higher is required in GE A1, A2, A3, and one GE B1 course

**All students must complete:**

- United States Cultural Pluralism Requirement
- Graduation Writing Requirement
- 60 units Upper Division (any 300-400 level classes)
- Upper Division units in the Major: 27
- Residency Requirements: See Degree Progress Report for details

<sup>1</sup> To be selected in consultation with your academic advisor.<sup>2</sup> No more than 4 units in total from ENVE 400, CE 400, ENVE 405, and ENVE 407 combined can be counted towards technical electives.<sup>3</sup> Required in Support; also satisfies GE.<sup>4</sup> PHIL 340 or ES/NR 360 recommended.