

**BS COMPUTER 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 <sup>Taken/Remaining</sup> [ ] YES [ ] NO  
 GWR Met [ ] YES [ ] NO  
 Upper Div GE Met [ ] YES [ ] NO

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

*\*=Courses satisfy GE requirement*

MAJOR COURSES (96)	Units	Grade	GrdPts
CPE 100 Computer Engineering Orientation	1		
CPE 101 Fundamentals Computer Science I	4		
CPE 102 Fundamentals Computer Science II	4		
CPE 103 Fundamentals Computer Science III	4		
CPE 129 Digital Design	3		
CPE 169 Digital Design Lab	1		
CPE 229 Comp Des/Assb Lang Prog	3		
CPE 269 Comp Des/Assb Lang Lab	1		
CPE 315 Computer Architecture	4		
CPE 316 Micro Controllers and Embedded Apps	4		
CPE 329 Prog Logic/Micro-Based Sys Des	4		
CPE 350 CPE Capstone Preparation	4		
CPE 357 Systems Programming	4		
CPE 450 CPE Capstone Project	4		
CPE 453 Operating Systems I	4		
CPE 461 Senior Project I	3		
CPE 462 Senior Project II	2		
CPE 464 Introduction to Computer Networks	4		
CSC 141 Discrete Structures I	4		
EE 112 Electric Circuit Analysis I	2		
EE 211 Electric Circuit Analysis II	3		
EE 241 Electric Circuit Analysis II Lab	1		
EE 212 Electric Circuit Analysis III	3		
EE 242 Electric Circuit Analysis III Lab	1		
EE 228 Continuous-Time Signals & Systems	4		
EE 306 Semiconductor Device Electr	3		
EE 346 Semiconductor Device Electr Lab	1		
EE 307 Digital Integrated Electronics	3		
EE 347 Digital Integrated Electronics Lab	1		
Advisor Approved Technical Electives.....	12		

MATH 241 Calculus IV .....	4
MATH 244 Linear Analysis I.....	4
ME 211 Engineering Statics <i>or</i> .....	3or
MATE 210 Materials Engineering <i>and</i> .....	3 and
MATE 215 Materials Engineering Lab .....	1
PHYS 141 General Physics IA (Add'1 Area B)*.....	4
PHYS 132 General Physics II .....	4
PHYS 133 General Physics III .....	4
PHYS 211 Modern Physics I.....	4
STAT 350 Prob & Random Processes for Engrs (B6)* .....	4

**GENERAL EDUCATION (GE) 40**

72 units required; 32 units are in Support.

Refer to current schedule or [www.calpoly.edu/~acadprog/gened/](http://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**

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

**SUPPORT COURSES (60)**

BIO 213 <i>and</i> .....	2
ENGR/BRAE 213 (B2)* .....	2
CHEM 124 Gen Chem for Engineering (B3/B4)* .....	4
Approved CSC/EE/MATH/science elective .....	3
ENGL 149 Technical Writing for Engineers (A3)* .....	4
IME 156/IME 157/IME 458 .....	2
MATH 141 Calculus I (B1)* .....	4
MATH 142 Calculus II (B1)* .....	4
MATH 143 Calculus III (Add'1 Area B)* .....	4

- O = Work in progress
- ( ) = not allowed for degree credit
- Maximum 105 quarter units allowed in transfer from Comm College
- @ = possible credit by Department review
- # = GE Certification

**ELECTIVES .....** **0**