

**BS ELECTRICAL ENGINEERING**

2005-2007

updated 3/05

**Units Required 193**

NAME \_\_\_\_\_  
 STUDENT ID \_\_\_\_\_  
 CONCENTRATION \_\_\_\_\_  
 MINOR \_\_\_\_\_

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 GEB Met Taken/Remaining [ ] YES [ ] NO

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

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

MAJOR COURSES (86)	Units	Grade	GrdPts
EE 111 Intro to Electr Engineering	1		
EE 151 Intro to Electr Engineering Lab	1		
EE 112 Electric Circuit Analysis I	2		
EE 129 Digital Design	3		
EE 169 Digital Design Lab	1		
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 Cont-Time Signals & Sys	4		
EE 229 Comp Des/Assb Lang Prog	3		
EE 269 Comp Des/Assb Lang Prog Lab	1		
EE 255 Energy Conv Electromag	3		
EE 295 Energy Conv Electromag Lab	1		
EE 302 Classical Contr Systems	3		
EE 342 Classical Contr Systems Lab	1		
EE 306 Semiconductor Dev Electronics	3		
EE 346 Semiconductor Dev Electronics Lab	1		
EE 307 Digital Elec & Integrated Circ	3		
EE 347 Digital Elec & Integrated Circ Lab	1		
EE 308 Analog Elec & Integrated Circ	3		
EE 348 Analog Elec & Integ Circ Lab	1		
EE 314 Intro to Comm Systems	3		
EE 328 Discrete Time Sig & Systems	3		
EE 368 Signals & Systems Lab	1		
EE 329 Prog Log & Micrprocr-Bsd Sys Des	4		
EE 335 Electromag Fields/Trans	4		
EE 402 Electromag Waves	4		
EE 442 Electromag Fields/Trans Lab	1		
EE 409 Electronic Design	3		
EE 449 Electronic Design Lab	1		
EE 460 Senior Project Preparation	1		
EE 461 Senior Project I <i>or</i> EE 463 Senior Project Des Lab I	3 <i>or</i> 3		
EE 462 Senior Project II <i>or</i> EE 464 Senior Project Des Lab II	2 <i>or</i> 2		
<sup>1</sup> Advisor Approved Technical Electives .....	12		

CHEM 124 Gen Chem for Engineering (B3/B4)* .....	4
CSC 101 Fundamentals of Computer Science I.....	4
ENGL 149 Technical Writing for Engineers (A3)*.....	4
IME 156 <i>or</i> IME 157.....	2
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
PHYS 131 General Physics I (Add'l Area B)*.....	4
PHYS 132 General Physics II.....	4
PHYS 133 General Physics III	4
PHYS 211 Modern Physics.....	4
STAT 350 Prob/Random Processes for Engr (B6)*.....	4
Approved engineering support electives (Select at least 3 courses from list of approved courses).....	9

**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 SCOM 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>	

**ELECTIVES 0**

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

<sup>1</sup>Technical Electives Statement Required

**SUPPORT COURSES (67)**

BIO 213 <i>and</i> .....	2
ENGR/BRAE 213 (B2)*.....	2