

BS BIOMEDICAL ENGINEERING

2005-2007

updated 10/05

Units Required 198

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 Taken/Remaining [] YES [] NO
 GWR Met [] YES [] NO
 Upper Div GEB Met Taken/Remaining [] YES [] NO
 GWR Met [] YES [] NO

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

MAJOR COURSES (67)	Units	Grade	GrdPts
ENGR 110 Engr Science I	3		
BMED 111 BME Calculations	3		
BMED 212 Intro to BME Deisgn	3		
BMED 310 BME Msmt & Analysis	4		
BMED 410 Biomechanics	4		
BMED 420 Biomaterials	4		
BMED 425 BME Transport	4		
BMED 430 Biomedical Modeling	4		
BMED 440 Bioelectron & Instr	4		
BMED 450 Special Topics in BME	4		
BMED 455 BME Design I	4		
BMED 456 BME Design II	4		
BMED 460 Engineering Physiology	4		
Advisor approved technical electives (300-400 level)	14		
ENGR 462 Senior Project	4		

CE 204 Mechanics of Materials I.....	3
CSC 101 or CSC 234	3
EE 201 Electric Circuit Theory.....	3
IME 314 Engineering Economics	3
MATE 210 Materials Engineering.....	3
ME 211 Engineering Statics.....	3
ME 212 Engineering Dynamics	3
ME 302 Thermodynamics.....	3
ME 341 Fluid Mechanics I.....	3

GENERAL EDUCATION (GE) 40

72 units required; 32 units are in Support.

Refer to current schedule or 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

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

SUPPORT COURSES (91)

*=Courses satisfy GE requirement

BIO 161 Intro Cell & Molecular Bio (B2 & B4).....	4
CHEM 124 General Chemistry (B3/B4)*	4
CHEM 125 General Chemistry (addl' area B)	4
ENGL 149 Tech Writing for Engineers (A3)*	4
MATH 141 Calculus I (B1)*.....	4
MATH 142 Calculus II (B1)*.....	4
MATH 143 Calculus III (addl' area B)	4
MATH 241 Calculus IV	4
MATH 244 Linear Analysis I.....	4
PHYS 131 General Physics (B3)*	4
PHYS 132 General Physics II	4
PHYS 133 General Physics III	4
Advisor Approved Math & Science electives	16
<i>Select one course from:</i>	
ZOO 331,332; BIO 432, 433	
<i>Select one course from GE B6:</i>	
MATH 344, STAT 312, PHYS 417	
<i>Typical remaining course selections include, but are not limited to:</i>	
BIO 302 or 303 or 351, 405, 447, 452; CHEM 312, 313, 444, 473; MCRO 221 or 224, 225, 320, 402; ZOO 426	

- 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