BS BIOMEDICAL ENGINEERING

2009-2011 *updated 02/17/09* **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 GE Met Taken/Remaining [ ] YES [ ] NO

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

***=Courses satisfy GE requirement**

MAJOR COURSES (67)	*Units*	*Grade*	*GrdPts*
ENGR 110 Engineering Sci I	3		
BMED 111 Biomed Engr Calculations	3		
BMED 212 Intro Biomed Engr Des	3		
BMED 310 Bmed Engr Msmt & Analysis	4		
BMED 410 Biomechanics	4		
BMED 420 Biomaterials	4		
BMED 425 Biomed Engr Transport	4		
BMED 430 Biomed Modeling	4		
BMED 440 Bioelectron & Instru	4		
BMED 450 Special Topics Biomed Engr	4		
BMED 455 Biomed Engr Design I	4		
BMED 456 Biomed Engr Design II	4		
BMED 460 Engineering Physiology	4		
[1]Advisor approved technical electives *(300-400 level)*	14		
BMED 481 *and* BMED 482 ***or*** ENGR 462 Senior Project	2,2 *or* *4*		

[1]Technical Electives Statement Required

SUPPORT COURSES (91)

BIO 161 Intro Cell & Molecular Bio (B2/B4)*	4
CHEM 124 *or* 127 (B3/B4) ***and***	4
CHEM 125 *or* 128 (Add'l 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 (Add'l Area B)	4
MATH 241 Calculus IV	4
MATH 244 Linear Analysis I	4
PHYS 141 General Physics 1A	4
PHYS 132 General Physics II	4
PHYS 133 General Physics III	4
Advisor Approved Math & Science electives	16
Select one course from: ZOO 331, 332; BIO 432, 433 *Select one course from GE B6*:* MATH 344, STAT 312, PHYS 417 *Typical remaining course selections include, but are not limited to:* BIO 302 or 303 or 351, 405, 447, 452; CHEM 312, 313, 444, 473; MCRO 221 or 224, 225, 320, 402; ZOO 426.	

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 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 ENGL 133/134	4
A2 COMS 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)	

- 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**