

BS BIORESOURCE AND AGRICULTURAL ENGINEERING

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 GE Met Taken/Remaining [] YES [] NO
 Free Electives Met [] YES [] NO

2007-2009

updated 04/23/07

Units Required 192

DEGREE DATE	Earned Hours	Quality Hours	Quality Points	GPA
Transfer				
Cal Poly				
Transcript Totals				
		≤ Units NOT Degree Applicable		
		≤ Degree Applicable Units		

*=Courses satisfy GE requirement

MAJOR COURSES (75)	Units	Grade	GrdPts
BRAE 128 Careers Biores & Ag Engr	2		
BRAE 129 Lab Skills and Safety	1		
BRAE 133 Engineering Design Graphics	2		
BRAE 151 CAD for Ag Engineering	1		
BRAE 216 Fundamentals of Electricity	4		
BRAE 232 Ag Structures Planning	4		
BRAE 234 Intro Mechanical Systems-Ag	4		
BRAE 236 Principles of Irrigation	4		
BRAE 239 Engineering Surveying	4		
BRAE 312 Hydraulics	4		
BRAE 320 Princ Bioresource Engineering	4		
BRAE 328 Measurements/Comp Interfacing	4		
BRAE 331 Irrigation Theory	3		
BRAE 403 Ag Systems Engineering	4		
BRAE 414 Irrigation Engineering	4		
BRAE 421 Equipment Engineering	3		
BRAE 422 Equipment Engineering	4		
BRAE 433 Ag Structures Design	4		
BRAE 460 Senior Project Organization	1		
BRAE 461 Senior Project I	2		
BRAE 462 Senior Project II	2		
Advisor approved electives	10		

SUPPORT COURSES (81-82)

BIO 213 and ENGR/BRAE 213 or MCRO 221 (B2)*.....	4
CE 201 (6) or CE 204 (3) and CE 207 (3).....	6
CHEM 124 General Chem for the Engr (B3/B4)*	4
CHEM 125 General Chem for the Engr (Add'l Area B)*	4
CSC 231/CSC 232/ CSC 234	2/3
ECON 201 Survey of Economics (D2)*	4
EE 321 & EE 361 or PHYS 206 Instrument/Experimental Physics and PHYS 256 Electrical Measurements Lab.....	3/1
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 Systems.....	4
ME 211 Engineering Statics.....	3
ME 212 Engineering Dynamics	3

ME 302 Thermodynamics	3
PHYS 141 General Physics IA	4
PHYS 132 General Physics	4
PHYS 133 General Physics	4
SS 121 Introductory Soil Science.....	4
STAT 312 Statistical Methods-Engr. (B6)*	4

GENERAL EDUCATION (GE)

36

72 units required; 36 units are in Support.

→Minimum of 8 units required at the 300-400 level.

Area A Communication

8

A1 ENGL 133/134	4
A2 COMS 101/102	4

Area B Science and Mathematics (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 elective	4

Area D/E Society and the Individual

12

D1 Amer Experience (40404)	4
D3 Comp Social Institutions	4
D4 Self Develop (CSU Area E)	4

Additional GE Units Required

O = Work in progress () = not allowed for degree credit	@ = possible credit by Department review # = GE Certification
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ELECTIVES..... 0