BS MANUFACTURING ENGINEERING

2009-2011 updated 02/26/09 **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 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 (78)	Units	Grade	GrdPts
IME 101 Intro Industrial & Mfg Engr	1		
IME 140 Graphics Comm & Modeling	2		
IME 141 Mfg Proc: Net Shape	1		
IME 142 Mfg Proc: Matls Joining	2		
IME 144 Intro Des & Mfg	4		
IME 157 Electronics Mfg	4		
IME 223 Process Improvement Fund	4		
IME 241 Process Design I	4		
IME 314 Engr Economics	3		
IME 326 Engr Test Des & Analysis	4		
IME 335 Computer-Aided Mfg I	4		
IME 341 Tool Engr I	4		
IME 342 Mfg Syst Integration	4		
IME 352 Mfg Process Des II	4		
IME 356 Mfg Automation	4		
IME 417 Supply Chain & Log Mgt	4		
IME 418 Product-Process Des	4		
IME 430 Quality Engr	4		
IME 481 Senior Project Des Lab II	2		
IME 482 Senior Project Des Lab II	3		
[1]Advisor approved technical electives	12		

[1]Technical Electives Statement Required

SUPPORT COURSES (78)

BIO 213 *and*	2
ENGR/BRAE 213 (B2)*	2
CE 204 Mechanics of Materials I	3
CHEM 124 Gen Chem/Engr Disciplines I (B3/B4)*	4
CHEM 125 Gen Chem/Engr Disciplines II	4
CSC 232 Comp Prog for Scientists & Engrs	3
EE 201 Electric Circuits Theory	3
EE 251 Electric Circuits Lab	1
EE 321 Electronics	3
ENGL 149 Technical Writing for Engrs (A3)*	4
MATE 210 Materials Engineering	3
MATE 215 Materials Lab I	1
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
ME 211 Engineering Statics	3
ME 212 Engineering Dynamics	3
ME 302 Thermodynamics I	3
PHYS 141 Gen Physics IA (Add'l Area B)*	4
PHYS 132 Gen Physics II	4
PHYS 133 Gen Physics III	4
STAT 321 Prob/Stats for Engr/Scientists (B6)*	4

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**