BS MANUFACTURING ENGINEERING

2005-2007 updated 3/05 **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 GEB Met Taken/Remaining [ ] YES [ ] NO

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

MAJOR COURSES (78)	*Units*	*Grade*	*GrdPts*
IME 101 Intro to Indust & Mfg Engr	1		
IME 141 Mfg Proc: Net Shape	1		
IME 142 Mfg Proc: Matrls Joining	2		
IME 144 Intro Design & Mfg	4		
IME 157 Electronics Mfg	4		
IME 223 Work Des & Measurement	4		
IME 241 Process Design I	4		
IME 314 Engineering Economics	3		
IME 326 Engrg Test Design & Analysis	4		
IME 335 Computer-Aided Mfg I	4		
IME 341 Tool Engineering I	4		
IME 342 Mfg Systems Integration	3		
IME 352 Mfg Process Design II	4		
IME 356 Manufacturing Automation	4		
IME 418 Product-Process Design	4		
IME 430 Quality Engineering	4		
IME 455 Mfg Des & Implementation I	3		
IME 481 Senior Project Design Lab II	2		
IME 482 Senior Project Design Lab II	3		
[1]Advisor Approved Technical Electives	16		

[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 for Engineering (B3/B4)*	4
CHEM 125 Gen Chem for Engineering	4
CSC 232 Comp Prog for Scientists & Engineers	3
EE 201 Electric Circuits Theory	3
EE 251 Electric Circuits Lab	1
EE321 Electronics	3
ENGL 149 Technical Writing for Engineers (A3)*	4
MATE 210 Materials Engineering	3
MATE 215 Materials Engineering Lab	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 Engineerig Statics	3
ME 212 Engineering Dynamics	3
ME 302 Thermodynamics	3
PHYS 131 General Physics I (Add'1 Area B)*	4
PHYS 132 General Physics II	4
PHYS 133 General Physics III	4
STAT 312 Stat. Methods for Engineers(B6)*	4

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)	

- 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**