

Name \_\_\_\_\_

 Major BIOENGINEERING

 Degree BSE

ASU ID \_\_\_\_\_

 AGEC-A, AGEC-B, AGEC-S; Completed:  Yes  No

Pre-Major (Non-Degree) Credits	Hrs Cr		Trans from	Gr
	ASU	Tr		
MAT 170 Precalculus	3			
PHY 105 Intro Physics	3			

**I. English Proficiency (6 hrs)**
*(University requirement - "C"(2.00) min grade required)*

ENG 101 First-Year Comp (3) and ENG 102 First-Year Comp (3) or, if eligible, ENG 105 Adv First-Year Comp (3) (see Catalog for eligibility requirements)				
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Sub Total (I) \_\_\_\_\_

**II. General Studies & School Requirements (57 hrs)**
*(see Catalog for approved courses)*
**A. Humanities & Social Sciences (15 hrs min)**
*(Required: 1 course upper division; 2 courses from the same dept; 2 depts or more represented; plus a minimum of two courses that satisfy three awareness areas: cultural (C), global (G), and historical (H). Double counting is permissible between HU or SB and the awareness areas and also within the awareness areas.)*
**Humanities/Fine Arts (6 hrs min) (HU)**


**Social/Behavioral Sciences (6 hrs min) (SB)**

ECN 111 or 112	3			

*Awareness Areas (C,G,H) two courses minimum; all three areas must be met*

C/G/H:				
C/G/H:				
C/G/H:				

**B. Literacy/Critical Inquiry (7 hrs)**

+ L: BME 413 + BME 423	3 + 1			
L: ECE 300 Intermed Engr Design	3			

**C. Natural Sciences/Basic Sciences (16 hrs)**

SQ: CHM 113 Gen Chem	4			
SQ: CHM 116 Gen Chem	4			
SQ: PHY 121 Physics I	3			
SQ: PHY 122 Phys Lab I	1			
SQ: PHY 131 Physics II	3			
SQ: PHY 132 Phys Lab II	1			

**D. Mathematical Studies (19 hrs)**

MA: MAT 270 Calc I	4			
MA: MAT 271 Calc II	4			
MA: MAT 272 Calc III	4			
MA: MAT 274 El Diff Eq	3			
ECE 384 Num Methods Engrs	4			

Sub Total (II) \_\_\_\_\_

**III. Engineering Core (21 hrs)**

Core	Hrs Cr		Trans from	Gr
	ASU	Tr		
CS: ECE 100 Intro Engrg Des	3			
ECE 201 Elec Ntwks	4			
ECE 214 Engrg Mechanics	4			
ECE 334 Electronic Circuits	4			
ECE 340 Thermo	3			
ECE 350 Struc/Prop Matls	3			

Sub Total (III) \_\_\_\_\_

**IV. Major (44 hrs)**

SQ: BIO 188 Genl Biology o OR				
MBB 245 and MBB 246 Cell & Molec Bio & Lab	4			
+BME 101 Intro Bioenrg	3			
+BME 235 Physiology for Engrs	4			
+BME 318 Biomaterials	3			
+BME 331 Biomed Engrg Transport	3			
+BME 350 Signals & Systems for BME	3			
+BME 417 BME Capstone Des I	3			
+BME 470 Microcomp Appl in BME	4			
+BME 490 BME Capstone Des II	3			
CS : CSE 100 Princ Program C++	3			
CS: ECE 380 Prob/Stat for Engr Prb Slvg	3			

**Technical Electives/Area of Study (8 hrs)**


Sub Total (IV) \_\_\_\_\_

**+ "C" (2.00) minimum grade required**
**Total Upper Division \_\_\_\_\_ (min 50 required)**
**Graduation Requirements**
*Regular Curriculum - 128 Hours  
(plus pre-major (non-degree) credits)*
**Semester Hour Summary**

	Hrs/ASU	Tr Hrs	Total
I. English Proficiency			
II. General Studies			
III. Engineering Core			
IV. Major			
<b>Total Program Hours</b>			

 Submitted by \_\_\_\_\_  
Student Signature
Date

 Approved \_\_\_\_\_  
Advisor
Date

 Approved \_\_\_\_\_  
Dean
Date

