

Name _____

Major ENGINEERING SPECIAL STUDIES Degree BSE

ASU ID _____

Concentration: PREMEDICAL ENGINEERING

Anticipated Grad. Date _____

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" min 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)				
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 Econ	3			

Awareness Areas

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 Engrg 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 (20 hrs)

	Hrs Cr		Trans from	Gr
	ASU	Tr		
CS: ECE 100 Intro Engrg Des	3			
ECE 201 Elec Ntwks	4			
ECE 210 Statics	3			
ECE 334 Elect Instr/Dev	4			
ECE 340 Thermo	3			
ECE 350 Struc/Prop Matls	3			
Sub Total (III)				

IV. Major (45 hrs)

SQ: BIO 188 Gen Biology	4			
+ L: BME 201 Intro Bioenrg	3			
+BME 318 Biomaterials	3			
+BME 331 Biomed Engrg Trans I:Fluids	3			
+BME 334 Bioenrg Heat & Mass Trnsfr	3			
+BME 416 Biomechanics	3			
+BME 417 BME Capstone Des I	3			
+BME 435 Physiology for Engrs	4			
+BME 470 Microcomp Appl in BME	4			
+BME 490 BME Capstone Des II	3			
CHM 331 Genl Org Chem I	3			
CHM 332 Genl Org Chem II	3			
CHM 335 Genl Org Chem Lab I	1			
CHM 336 Genl Org Chem Lab II	1			
CS: ECE 380 Prob/Stat for Engr Prb Slvg	3			
Sub Total (IV)				

Technical Elective (1 hr)

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+ **Minimum grade of "C" required in these courses.**

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			
Total Program Hours			

Submitted by _____
Student Signature Date

Approved _____
Advisor Date

Approved _____
Department Chair Date

Approved _____
Dean Date