

Name _____

Major ENGINEERING SPECIAL STUDIES Degree BSE

ASU ID _____

Concentration: PREMEDICAL ENGINEERING

AGEC-A, AGECE-B, AGECE-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 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 (21 hrs)

	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 Gen Biology	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			
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: CSE 100 Princ Program C++	3			
CS: ECE 380 Prob/Stat for Engr Prb Slvg	3			

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			
Total Program Hours			

Submitted by _____
Student Signature Date

Approved _____
Advisor Date

Approved _____
Dean Date

