

Name _____

Major MECHANICAL ENGINEERING Degree BSE

ASU ID _____

Anticipated Grad. Date _____

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

Pre-Major (Non-Degree) Credits	Hrs Cr		Trans from	Gr
	ASU	Tr		
CHM 113 Gen Chem I	4			
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)				
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Sub Total (I) _____

II. General Studies & School Requirements (53 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 (6 hrs)

L: ECE 300 Intermed Engrg Design	3			
L: MAE 490 Projects Design Develop	3			

C. Natural Sciences/Basic Sciences (15 hrs)

SQ: CHM 114 or 116 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			
PHY 361 Mod Phys	3			

D. Mathematical Studies (17 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			
MAT 242 Elem Lin Alg	2			

Sub Total (II) _____

III. Engineering Core (22 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 212 Dynamics	3			
ECE 313 Intro Def Solids	3			
ECE 340 Thermo	3			
ECE 350 Struct Prop Matls	3			

Sub Total (III) _____

IV. Major (47 hrs)

ECE 384 Num Mthds for Engrs	4			
MAE 317 Dyn Sys/Contr	3			
MAE 319 Meas & Data Analy	3			
MAE 371 Fluid Mech	3			
MAE 388 Heat Transfer	3			
MAE 422 Mech of Matls	4			
MAE 441 Princ of Design	3			
MAE 443 Engr Design	3			
MAE 491 Exp Mech Engr	3			

Technical Electives/Area of Study (18 hrs)

Sub Total (IV) _____

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