

Name _____

Major: Aerospace Engineering

Degree BSE

ASU ID _____

Anticipated Grad. Date _____

AGEC-A, AGEC-B, AGEC-S;

Completed: Yes No

I. English Proficiency (6 hrs) <i>(University requirement – "C" min required)</i>	Hrs	Cr	Trans	Gr
	ASU	Tr	From	
+ENG 101 / 107 First-Year Comp (3) and +ENG 102 / 108 First-Year Comp (3)				
Or , if eligible (see Catalog for eligibility), +ENG 105 Adv First-Year Comp (3) and An Applicable Elective (3) – see Department				
Sub Total (I)				

# C. Lower Division Engr (19 hrs)	Hrs	Cr	Trans	Gr
	ASU	Tr	From	
CS: MAE 100 Intro to ME & AE	3			
MAE 212 Engineering Mechanics	4			
MAE 213 Solid Mechanics	3			
MAE 214 Computer Aided Engr I	1			
MAE 240 Thermofluids I	4			
EEE 202 Circuits I	4			
Sub Total (III)				

II. General Requirements (15 hrs) *(See Catalog for approved courses)*

A. Humanities & Social Sciences (15 hrs min)
(Required: 1 course upper division; 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, and Design (6 hrs min)(HU)

Hrs	Cr	Trans	Gr

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

Hrs	Cr	Trans	Gr

Awareness Areas

Area	Hrs	Cr	Trans	Gr
Cultural				
Global				
Historical				

B. Literacy/Critical Inquiry

#L: MAE 360 Aerodynamics ¹	Satisfied by Courses in Major
#L: MAE 362 Hgh-Speed Aerodynam ¹	
#L: MAE 400 Engineering Profession	

C. Natural Sciences (8 hrs)

+SQ: PHY 121/122 Physics I/Lab I	Satisfied by Courses in Major
+SQ: PHY 131/132 Physics II/LabII	

D. Mathematical Studies (6 hrs)

+CS: MAE 100 Intro to ME & AE	Satisfied by Courses in Major
+MA: MAT 275 Mod Diff Eqns	

Sub Total (II) _____

III. Required Lower Division Courses (46 hrs)

A. Natural Sciences/Basic Sciences (15 hrs)

Hrs	Cr	Trans	Gr
BME 111 Engr Persp on Bio Systems	3		
+SQ: CHM 114, 115 ^{2,3} , or 116 ³ Chemistry	4		
+SQ: PHY 121 Physics I	3		
+SQ: PHY 122 Physics Lab I	1		
+SQ: PHY 131 Physics II	3		
+SQ: PHY 132 Physics Lab II	1		

B. Mathematical Studies (12 hrs)

Hrs	Cr	Trans	Gr
MA: MAT 275 Mod Diff Equ	3		
MAT 294 ST: Calc for Engineers I	3		
MAT 294 ST: Calc for Engrs II	3		
MAT 294 ST: Calc for Engrs III	3		

Submitted by _____
Student Signature _____ Date _____

IV. Required Upper Division Courses (50 hrs)

Hrs	Cr	Trans	Gr
MAE 313 Aircraft Dynam. & Control	3		
MAE 318 Sensors and Controls	5		
MAE 322 Structural Mechanics	4		
MAE 344 Fund. Of Aerospace Design	3		
L: MAE 360 Aerodynamics ¹	4		
L: MAE 362 Hgh-Speed Aerodynam ¹	4		
CS: MAE 384 Numerical Methods	3		
L: MAE 400 Engineering Profession	3		
MAE 415 Vibration Analysis	3		
MAE 462 Space Vehicle Dynamics	3		
MAE 463 Propulsion	3		
MAE 468 Aero System Design	3		
MAT 343 Applied Linear Algebra	3		
Technical Electives (6 hrs)			
Sub Total (IV)			

V. General Elective (3 hrs)

Hrs	Cr	Trans	Gr
Sub Total (V)			

Total Upper Division _____ *(minimum 45 hrs required)*
+ A minimum grade of "C" (2.0) required

Designates Major Course: A minimum cumulative GPA of 2.00 required
Designates a skill-set course

¹ Both MAE 360 and 362 must be completed for L credit
² Only 4 hours of CHM 115 will apply toward degree credit
³ CHM 113 is prerequisite and does not apply toward degree credit

Graduation Requirements
Regular Curriculum – 120 Hours

Semester Hour Summary	Hrs/ASU	Tr Hrs	Total
I. English Proficiency			
II. General Requirements			
III. Required Lower Division			
IV. Required Upper Division			
V. General Elective			
Total Program Hours			

Approved _____
Advisor _____ Date _____

Approved _____
Department Chair _____ Date _____