

				ARIZONA STATE JNIVERSITY					
2007-08 Curriculum Check Sheets					Fulton School o	f Engir	neering		
Name				Major: Aerospace Engineering	De	gree <u>B</u>	<u>SE</u>		
ASU ID				Concentration: <u>Aeronautics</u>					
Anticipated Grad. Date				AGEC-A, AGEC-B, AGEC-S;	Completed: - V	705 -	Ma		
-				AGEC-A, AGEC-B, AGEC-S,	Completed: □ Y	es u	110		
I. English Proficiency (6 hrs) (University requirement –"C" min required)	Hrs Cr ASU T		Gr	# C I Birinin E (10 I)	Hrs Cr				
+ENG 101 / 107 First-Year Comp (3) and	ASU I	rioiii	Gr	# C. Lower Division Engr (19 hrs) +MAE 100 Intro to ME & AE (CS)	ASU Tr	From	Gr		
+ENG 102 / 108 First-Year Comp (3)				+MAE 100 little to ME & AE (CS) +MAE 212 Engineering Mechanics	4				
Or, if eligible (see Catalog for eligibility),				MAE 213 Solid Mechanics	3				
+ENG 105 Adv First-Year Comp (3) and				MAE 213 Sond Mechanics MAE 214 Computer Aided Engr I	1				
An Applicable Elective (3) – see Department				MAE 240 Thermofluids I	4				
Sub Total (I)		'		EEE 202 Circuits I	4				
II. General Requirements (15 hrs) (See Catalog	e for app	roved		Sub Total (III)					
courses)	5) PF			# IV. Required Upper Division Course	es (50 hrs)				
A. Humanities & Social Sciences (15 hrs min)				MAE 313 Aircraft Dynam. & Control	3				
(Required: 1 course upper division; plus a minimum of two courses that satisfy (C), global (G), and historical (H). Double counting is permissible between H	three awarene I or SB and th	ess areas: culi e awareness o	tural areas	MAE 318 Sensors and Controls	5				
and also within the awareness areas.)	T T T T \			MAE 322 Structural Mechanics	4				
Humanities, Fine Arts, and Design (6 hrs min)(HU)			MAE 344 Fund. Of Aerospace Design	3				
				MAE 360 Aerodynamics (L) ¹	4				
				MAE 362 Hgh-Speed Aerodynam (L)	4				
Social/Behavioral Sciences (6 hrs min)(SB)				MAE 384 Numerical Methods (CS)	3				
Social/Benavioral Sciences (6 hrs min)(SB)				MAE 400 Engineering Profession (L)	3				
	+	-		MAE 415 Vibration Analysis	3				
	+			MAE 462 Space Vehicle Dynamics	3				
Awareness Areas				MAE 463 Propulsion	3				
Cultural				MAE 468 Aero System Design	3				
Global				+MAT 343 Applied Linear Algebra	3				
Historical	+++			Technical Electives (6 hrs)					
B. Literacy/Critical Inquiry									
#L: MAE 360 Aerodynamics ¹									
#L: MAE 362 Hgh-Speed Aerodynam	Satisfied by Courses in Major			Sub Total (IV)					
#L: MAE 400 Engineering Profession			yor	V. General Elective (3 hrs)					
C. Natural Sciences (8 hrs)				ASU 101 The ASU Experience	1				
+SQ: PHY 121/122 Physics I & Lab I	Sat	isfied by	,	Cult Tatal (A)	2				
+SQ: PHY 131/132 Physics II & LabII		es in Ma		Sub Total (V)					
D. Mathematical Studies (6 hrs)					ninimum 45 requi	red)			
+#CS: MAE 100 Intro to ME & AE	Sat	isfied by	,	+ A minimum grade of "C" (2.0) required	_				
+MA: MAT 275 Mod Diff Eqns	Course	es in Ma	ijor	# Designates Major Course: A minimum cumulative GPA of 2.00 required					
Sub Total (II)				Designates a skill-set course Both MAE 360 and 362 must be completed	for Levadit				
III. Required Lower Division Courses (46 hr	rs)			² Only 4 hours of CHM 115 will apply towar					
A. Natural Sciences/Basic Sciences (15 hrs)				³ CHM 113 is prerequisite and does not appl	ly toward degree cre	edit			
BME 111 Engr Persp on Bio Systems	3			⁴ Must complete lecture and lab to receive SQ					
+ CHM 114, 115 ^{2, 3} , or 116 ³ Chemistry (SQ)	4			Graduation Requirements					
+ PHY 121 Physics I (SQ) 4	3			Regular Curriculum – 120 Hours					
+ PHY 122 Physics Lab L (SQ) ⁴	1			120110000					

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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			

+ PHY 131 Physics II (SQ)⁴ + PHY 132 Physics Lab II (SQ)⁴ B. Mathematical Studies (12 hrs) +MAT 265 Calc for Engrs I

+MAT 266 Calc for Engrs II

+MAT 267 Calc for Engrs III +MAT 275 Mod Diff Equ (MA)