Name _____

ASU ID _____

Anticipated Grad. Date _____

Major: Computer Systems Engineering   Degree BSE

AGEC-A, AGEC-B, AGEC-S;   *Completed:* □ Yes   □ No

ASU Requirement for all incoming Freshmen			
ASU 101 The ASU Experience	1 credit		

I. English Proficiency (6 hrs) *(University requirement – "C" min required)*	Hrs Cr ASU Tr	Trans From	Gr
+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 HU/SB course(3)			
Sub Total (I) _____			

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)

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

Awareness Areas:			
Cultural			
Global			
Historical			

B. Literacy/Critical Inquiry (6 hrs)

#+ *L*: CSE 423 Systems Capstone Project I	***Satisfied by***
#+*L:* CSE 424 Systems Capstone Project II	***Courses in Major***

C. Natural Sciences/Basic Sciences (8 hrs)

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

D. Mathematical Studies (6 hrs)

#+*CS:* CSE 205 Concepts of CS & Data Str	***Satisfied by***
MA: MAT 275 Mod Diff Eqs	***Courses in Major***
Sub Total (II) _____	

III. Required Lower Division Courses (49 hrs)			
A. Natural Sciences/Basic Sciences (12 hrs)			
BIO 187 or BIO 188 *(SQ)*	4		
PHY 121 Physics I *(SQ)*[1]	3		
PHY 122 Physics Lab I *(SQ)*[1]	1		
PHY 131 Physics II *(SQ)*[1]	3		
PHY 132 Physics Lab II *(SQ)*[1]	1		
B. Mathematical Studies (15 hrs)			
+MAT 243 Discrete Math	3		
+MAT 265 Calc for Engrs I	3		
+MAT 266 Calc for Engrs II	3		
+MAT 267 Calc for Engrs III	3		
MAT 275 Mod Diff Eqs *(MA)*	3		

# C Lower Division Engineering *(22 hrs)*	Hrs Cr ASU Tr	Trans From	Gr
+CSE 100 or 110 Prin of Prog *(CS)*	3		
+CSE 101 Intro to Engr Dsgn *(CS)*	3		
+CSE 120 Digital Design Fund	3		
+CSE 205 Concepts of CS & Data Str *(CS)*	3		
+CSE 220 Programming for Comp Engr	3		
+CSE 230 Comp Org/Assem Lang	3		
EEE 202 Circuits I	4		
Sub Total (III) _____			

# IV. Required Upper Division Courses (50 hrs)			
+CSE 301 Ethics for Computing	1		
+CSE 310 Data Structs & Alg	3		
+CSE 320 Dsgn & Syn of Digital HW	3		
+CSE 325 Embedded Micro Systems	3		
+CSE 360 Intro to Software Engineering	3		
+CSE 420 Computer Architecture I	3		
+CSE 423 Systems Capstone Project I *(L)*	3		
+CSE 424 Systems Capstone Project II *(L)*	3		
+CSE 430 Operating Systems	3		
+CSE 434 Comp Networks	3		
EEE 334 Circuits II	4		
IEE 380 Prob/Stats *(CS)*	3		
MAT 343 Applied Linear Algebra	3		
+ ***CSE Technical Electives*** *(12 hrs) See Dept*			
Sub Total (IV) _____			

Total Upper Division _____ (minimum 45 required)
+ A minimum grade of "C" (2.0) required
 # A minimum cumulative GPA of 2.00 is required
Designates a skill-set course
[1]*Must complete lecture and lab to receive SQ credit.*

Graduation Requirements:
Regular Curriculum – 120 Hours

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