Name _____

ASU ID _____

Anticipated Grad. Date _____

Major: Civil Engineering   Degree BSE

Concentration: Construction Engineering

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 Applicable Elective (3) – see Department				

Sub Total (I) _____

II. General Requirements (9 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)

#HU: CEE 400 Earth Sys Eng & Mgt	***Satisfied by Course in Major***

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

SB: ECN 211 or 212 Economics	***Satisfied by Course in Major***

Awareness Areas

#Historical: CEE 400 Earth Sys Eng&Mgt	***Satisfied by Course in Major***
Global	
Cultural	

B. Literacy/Critical Inquiry (6 hrs)

#L: CEE 300 Engr Business Practice	***Satisfied by Courses in Major***
#L: CEE 486 Integrated CE Design	

C. Natural Sciences/Basic Sciences (8 hrs)

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

D. Mathematical Studies (6 hrs) – Mark when taken

CS: CEE 100 Intro to Civil & Env Engr	***Satisfied by Courses in Major***
MA: MAT 275 Mod Diff. Eqs	

Sub Total (II) _____

III. Required Lower Division Courses (46 hrs)

A. Natural Sciences/Basic Sciences (15 hrs)

CHM 114 or 116[1] Chemistry *(SQ)*	4			
+PHY 121 Physics I *(SQ)*[2]	3			
+PHY 122 Physics Lab I *(SQ)*[2]	1			
+PHY 131 Physics II *(SQ)*[2]	3			
+PHY 132 Physics Lab II *(SQ)*[2]	1			
Basic science elective	3			

B. Mathematical Studies (14 hrs)

+MAT 242 Linear Algebra	2			
+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 Engr (14 hrs)

	Hrs Cr ASU	Tr	Trans From	Gr
+CEE 100 Intro to Civil & Env Engr *(CS)*	3			
+CEE 211 Eng Mechanics: Stat & Dynam	4			
+CEE 213 Deformable Solids	3			
EEE 202 Circuits I	4			
D. Business (3 hrs)				
ECN 211 or 212 Economics *(SB)*	3			

Sub Total (III) _____

IV. Required Upper Division Courses (59 hrs)

	Hrs Cr ASU	Tr	Trans From	Gr
#CEE 300 Engr Business Practice *(L)*	3			
#CEE 321 Structural Analysis & Des.	4			
#CEE 341 Fluid Mechanics for CE	4			
#CEE 351 Geotechnical Engr	4			
#CEE 353 CE Materials	3			
#CEE 361 Intro to Environ. Eng.	4			
#CEE 372 Transportation Engineering	4			
#CEE 384 Numerical Methods *(CS)*	3			
#CEE 400 Earth Sys Eng & Mgt *(HU)*	3			
#CEE 486 Integrated CE Design *(L)*	3			
IEE 380 Prob/Stat for Eng *(CS)*	3			
Construction Engineering Design Courses (6 hrs)				
#CEE 420 Steel Structures	3			
#CEE 452 Foundations	3			
Construction Engineering Technical Courses (15 hrs)				
CEE 281 Surveying	3			
#CEE 421 Concrete Structures	3			
#CEE 481 CE Project Mgmt	3			
#CEE 412 Pavement Analysis & Design ***OR*** #CEE 483 Hwy Matls, Const & Quality	3			
CON 496 Const Contract Admin *(L)*	3			

Sub Total (IV) _____

Total Upper Division _____ (minimum 45 required)
+ *A minimum grade of "C" (2.0) required*
# *A minimum GPA of 2.30 is required in all CEE3XXcourses. A minimum GPA of 2.30 is required in all CEE4XXcourses.*
Designates a skill-set course
[1] *CHM 113 is prerequisite and does not apply toward degree credit*
[2] *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			