

Name \_\_\_\_\_

Major: Electrical Engineering

Degree BSE

ASU ID \_\_\_\_\_

Anticipated Grad. Date \_\_\_\_\_

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

Completed:  Yes  No

<b>Pre-Major Courses (Non-Degree Credit)</b>	Hrs Cr		Trans From	Gr
	ASU	Tr		
SO: CHM 113 Gen Chemistry I (4)				
CS: CSE 180 Computer Literacy (3)				
MA: MAT 170 Precalculus (3)				
PHY 105 Basic Physics (3)				
<b>I. English Proficiency (6 hrs) University requirement – "C" min required</b>				
+ENG 101 / 107 First-Year Comp (3) and				
+ENG 102 / 108 First-Year Comp (3)				
<b>Or, if eligible (see Catalog for eligibility),</b>				
+ENG 105 Adv First-Year Comp (3) and				
An Applicable Elective (3) – see Department				
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)**

	Hrs	Cr	Trans From	Gr

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

	Hrs	Cr	Trans From	Gr
ECN 211 or ECN 212 Macro/ Micro Econ (SB)	3			

**Awareness Areas:**

	Hrs	Cr	Trans From	Gr
<b>Cultural</b>				
<b>Global</b>				
<b>Historical</b>				

**B. Literacy/Critical Inquiry (6 hrs)** *Satisfied by required courses in Major*

**C. Natural Sciences/Basic Sciences (8 hrs)** *Satisfied by required courses in Major*

**D. Mathematical Studies (6 hrs)** *Satisfied by required courses in Major*

Sub Total (II) \_\_\_\_\_

**III Required Lower Division Courses (52 hrs)**

**A. Natural Sciences/Basic Sciences/Mathematical Studies (30 hrs)**

	Hrs	Cr	Trans From	Gr
BME 111 Engr Persp on Bio Sys <b>OR</b>	3			
BCH 361 Principles of Bio Chem				
CHM 114 or 116 <sup>1</sup> Chemistry (SQ), <b>OR</b>	4			
CHM 231 and 235 Organic Chem (SQ) <sup>2</sup>				
+MAT 265 Calc for Engrs I	3			
+MAT 266 Calc for Engrs II	3			
+MAT 267 Calc for Engrs III	3			
+MAT 274 or 275 Diff Eq (MA)	3			
+PHY 121 Physics I (SQ) <sup>2</sup>	3			
+PHY 122 Physics Lab I (SQ) <sup>2</sup>	1			
+PHY 131 Physics II (SQ) <sup>2</sup>	3			
+PHY 132 Physics Lab II (SQ) <sup>2</sup>	1			
+PHY 241 University Physics III	3			

<b>B. Lower Division Engineering (22 hrs)</b>	Hrs Cr		Trans From	Gr
	ASU	Tr		
#CSE 100 Prin of Prog C++ (CS)	3			
#EEE 101 Intro Engr Design (CS)	3			
#EEE 120 Dig Des Fund	3			
#EEE 202 Circuits I	4			
#EEE 203 Signals & Syst I	3			
#EEE 230 Comp Org & Asm Lang	3			
#EEE 241 Fund of Electromag I	3			
Sub Total (III) _____				

**IV. Required Upper Division Courses (47 hrs)**

	Hrs	Cr	Trans From	Gr
+MAT 342 or 343 Lin Algebra	3			
#EEE 334 Circuits II	4			
#EEE 350 Random Signal Analysis	3			
#EEE 488 Senior Design Lab I (L)	3			
#EEE 489 Senior Design Lab II (L)	3			
<b>#Area Pathway Requirement (16 hrs)(choose 4)</b>				
EEE 304 Signals and Systems II (4)				
EEE 333 Hardware Design & Syn (4)				
EEE 335 Analog and Digital Circuits (4)				
EEE 341 Engr Electromagnetics (4)				
EEE 352 Prop. Electronic Materials (4)				
EEE 360 Engy Sys & Pwr Electronic (4)				
<b>#Technical Electives (15 hrs)</b>				
Sub Total (IV) _____				

**ASU Requirement for all incoming Freshmen**

	Hrs	Cr	Trans From	Gr
ASU 101 The ASU Experience	1	credit		

**Total Upper Division \_\_\_\_\_ (minimum 45 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

<sup>1</sup> CHM 113 is prerequisite and does not apply toward degree credit

<sup>2</sup> Must complete lecture and lab to receive SQ credit.

**Graduation Requirements:**

Regular Curriculum – 120 Hours

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