2006-07 Curriculum Check Sheets   *Fulton School of Engineering*

Name _____   Major: <u>Electrical Engineering</u>   Degree <u>BSE</u>

ASU ID _____

Anticipated Grad. Date _____   *AGEC-A, AGEC-B, AGEC-S;*   *Completed:* □ Yes   □ No

Pre-Major Courses (Non-Degree Credit)	Hrs Cr ASU	Tr	Trans From	Gr
SQ: CHM 113 Gen Chemistry I (4)				
CS: CSE 180 Computer Literacy (3)				
MA: MAT 170 Precalculus (3)				
PHY 105 Basic Physics (3)				

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 (12 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 ASU	Tr	Trans From	Gr
Social/Behavioral Sciences (6 hrs min)(SB)				
SB: ECN 211 or 212 Economics	*Satisfied by Course in Major*			
Awareness Areas				
Cultural				
Global				
Historical				

B. Literacy/Critical Inquiry (6 hrs)

#L: EEE 488 Senior Design Lab I	*Satisfied by Courses in Major*			
#L: EEE 489 Senior Design Lab II				

C. Natural 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)

+*MA:* MAT 274 or 275Diff Eq	*Satisfied by Courses in Major*			
#CS: CSE 100 Prin of Prog C++				

Sub Total (II) _____

III Required Lower Division Courses (55 hrs)
A. Natural Sciences/Basic Sciences/Mathematical Studies (30 hrs)

	Hrs Cr ASU	Tr	Trans From	Gr
BME 111 Engr Persp on Bio Sys or BCH 361 Principles of Bio Chem	3			
SQ: CHM 114 or 116[1] Chemistry or *SQ*: CHM 231+235 Organic Chem	4			
+*MA:* MAT 274 or 275 Diff Eq	3			
MAT 294 ST: Calc for Engrs I	3			
MAT 294 ST: Calc for Engrs II	3			
MAT 294 ST: Calc for Engrs III	3			
+*SQ:* PHY 121 Physics I	3			
+*SQ:* PHY 122 Physics Lab I	1			
+*SQ:* PHY 131 Physics II	3			

(Natural Sciences, . . . Cont)	Hrs Cr ASU Tr	Trans From	Gr
+*SQ:* PHY 132 Physics Lab II	1		
+ PHY 241 University Physics III	3		

B. Engineering and Econ (25hrs)

	Hrs Cr ASU Tr	Trans From	Gr
#CS: CSE 100 Prin of Prog C++	3		
#CS: EEE 101 Intro Engr Design	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		
SB: ECN 211 or 212 Economics	3		

Sub Total (III) _____

IV. Required Upper Division Courses (47 hrs)

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

Sub Total (IV) _____

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
[1] *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			
Total Program Hours			

Submitted by _____ _____
    Student Signature   *Date*

Submitted by _____ _____
    Advisor   *Date*

Final Revision January 21, 2006