2005-06 Curriculum Check Sheet — **Fulton School of Engineering**

Name _____ Major INDUSTRIAL ENGINEERING Degree BSE

ASU ID _____ Career-Focused Study Area: _____

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

Pre-Major (Non-Degree) Credits	Hrs Cr ASU	Tr	Trans from	Gr
CHM 113 Gen Chem I	4			
MAT 170 Precalculus	3			
PHY 105 Intro Physics	3			

I. English Proficiency (6 hrs)

(University requirement - "C"(2.00) min grade required)

ENG 101 First-Year Comp (3) and ENG 102 First-Year Comp (3) or, if eligible, ENG 105 Adv First-Year Comp (3) (see Catalog for eligibility requirements)				

Sub Total (I) _____

II. General Studies & School Requirements (53 hrs)

(see Catalog for approved courses)

***A. Humanities & Social Sciences** (15 hrs min)*

(Required: 1 course upper division; 2 courses from the same dept; 2 depts or more represented; 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** (6 hrs min) (HU)*

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

ECN 111 or ECN 112 Macro or Micro Econ	3			

Awareness Areas (C/G/H) two courses minimum; all three areas must be met

C/G/H:				
C/G/H:				
C/G/H:				

***B. Literacy/Critical Inquiry** (6 hrs)*

L: ECE 300 Intermed Engrg Design	3			
L: IEE 490 Proj Design/Dev	3			

***C. Natural Sciences/Basic Sciences** (15 hrs)*

SQ: CHM 114 or 116 Chem	4			
SQ: PHY 121 Physics I	3			
SQ: PHY 122 Phys Lab I	1			
SQ: PHY 131 Physics II	3			
SQ: PHY 132 Phys Lab II	1			
*Basic Science Elective	3			

***D. Mathematical Studies** (17 hrs)*

MA: MAT 270 Calc I	4			
MA: MAT 271 Calc II	4			
MA: MAT 272 Calc III	4			
MA: MAT 274 El Diff Eq	3			
MAT 242 Elem Lin Alg	2			

Sub Total (II) _____

**Course in Earth, Life, or Physical Sciences; if PHY or CHM course, must have PHY 131 or CHM 116 as prerequisite.*

*** CSE 100 or 110 requires a C (2.00) or above to move to CSE 200.*

III. Engineering Core (19 hrs)

	Hrs Cr ASU	Tr	Trans from	Gr
CS: ECE 100 Intro Engrg Des	3			
ECE 201 Elec Ntwks	4			
ECE 210 Statics	3			
ECE 212 Dynamics	3			
ECE 350 Struct/Prop Matls	3			
CS: IEE 463 Comp Aided Manuf/Control	3			

Sub Total (III) _____

IV. Major (50 hrs)

** *CS:* CSE 100 PP C++ OR CSE 110 PP Java	3			
** *CS:* CSE 200 Concepts Comp Sci	3			
CS: ECE 380 Prob/Stat for Engrg Prb Slvg	3			
IEE 210 IE Applications	3			
IEE 300 Econ Anls Engr	3			
IEE 360 Manufacturing Processes	3			
IEE 368 Fac Dsgn or IEE 369 Wrk Dsgn	3			
CS: IEE 376 Operations Res	3			
CS: IEE 385 Engrg Problty Models	3			
IEE 461 Production Control	3			
IEE 474 Quality Control	3			
CS: IEE 475 Sim Stochastic Syst	3			

IEE Elective (2 hrs)

Career-Focused Study Area (12 hrs) See Lists in General Catalog

Sub Total (IV) _____

***Total Upper Division** _____ (min 50 required)*

Graduation Requirements

Regular Curriculum - 128 Hours

(plus pre-major(non-degree) credits)

Semester Hour Summary	*Hrs/ASU*	*Tr Hrs*	*Total*
I. English Proficiency			
II. General Studies			
III. Engineering Core			
IV. Major			
Total Program Hours			

Submitted by _____ _____
Student Signature *Date*

Approved _____ _____
Advisor *Date*

Approved _____ _____
Dean *Date*

8/05 mlh