ARIZONA STATE UNIVERSITY

2004-05 Curriculum Check Sheet ***Fulton School of Engineering***

Name _____ Major CHEMICAL ENGINEERING Degree BSE

ASU ID _____ *AGEC-A, AGEC-B, AGEC-S; Completed: Yes No*

Pre-Major (Non-Degree) Credits	Hrs Cr ASU	Tr	Trans from	Gr
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 *(59 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 112 Econ	3			

Awareness Areas (C/G/H) two courses minimum; all three areas required

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

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

L: ECE 300 Intermediate Engr Design	3			
L: CHE 462 Process Design	3			

C. Natural Sciences/Basic Sciences *(19 hrs)*

SQ: CHM 113 Gen Chem	4			
SQ: CHM 116 Gen Chem	4			
CHM 331 Genl Org Chem I	3			
CHM 335 Genl Org Chem I Lab	1			
SQ: PHY 121 Physics I	3			
SQ: PHY 122 Phys Lab I	1			
PHY 131 Physics II	3			

D. Mathematical Studies *(19 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			
ECE 384 Num Meth Engr	4			

Sub Total (II) _____

III. Engineering Core *(20 hrs)*

	Hrs Cr ASU	Tr	Trans from	Gr
CS: ECE 100 Intro Engrg Des	3			
ECE 350 Struct Prop Matls	3			
ECE approved elective	3			
CHE 311 Intro Chem Processing	3			
CHE 342 Appl Chem Thermo	4			
CS: CHE 461 Process Control	4			

Sub Total (III) _____

IV. Major *(43 hrs)*

CHE 331 Transport Phen I: Fluids	3			
CHE 334 Transport Phen II: Heat and Mass Trf	4			
CHE 352 Transport Laboratories	2			
CHE 432 Prin CHE Design	2			
CHE 433 Modern Separations	3			
CHE 442 Chem Reactor Des	3			
CHE 451 CHE Lab	2			
CHM 332 Genl Org Chem II	3			
CS: ECE 380 Prob/Stat for Engr Prb Slvg	3			

Technical Electives/Area of Study (18 hrs)

Chem Engr Elective	3			
Chem Elective	3			
Chem Elective	3			
Nat Sci or Matls Elective	3			

Sub Total (IV) _____

Graduation Requirements:

Regular Curriculum - 128 Hours (plus pre-major (non-degree) credits)

Total Upper Division Hrs _____ (Min. required: 50 hrs)

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*

3/04 mlh