

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		Trans from	Gr
	ASU	Tr		
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		Trans	
	ASU	Tr	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 294 ST: IE Applications Sem	2			
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 Statistics	3			
IEE 461 Production Control	3			
IEE 474 Quality Control	3			
CS: IEE 475 Sim Stochastic Syst	3			

**IEE Electives (3 hrs)**

IEE 361 Mfg Proc Lab (Highly Recommended)	1			
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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			
<b>Total Program Hours</b>			

Submitted by \_\_\_\_\_  
Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Approved \_\_\_\_\_  
Advisor \_\_\_\_\_ Date \_\_\_\_\_

Approved \_\_\_\_\_  
Dean \_\_\_\_\_ Date \_\_\_\_\_