

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" min 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)				
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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.*
III. Engineering Core (19 hrs)

	Hrs Cr		Trans from	Gr
	ASU	Tr		
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 Facilities Analysis/Design	3			
CS: IEE 374 Quality Control	3			
IEE 461 Production Control	3			
CS: IEE 475 Sim Stochastic Syst	3			
CS: IEE 476 Ops Res Tech/Apl	4			
CS: IEE 485 Engrg Stats	3			

IEE Electives (2 hrs)

IEE 361 Mfg Proc Lab (Highly Recommended) 1

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 _____ Department Chair _____ Date _____

Approved _____ Dean _____ Date _____

