

Name _____

Major: Industrial Engineering

Degree BSE

ASU ID _____

Anticipated Grad. Date _____

AGEC-A, AGEC-B, AGEC-S;

Completed: Yes No

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 Macroeconomics Prin. *Satisfied by Course in Major*

	Hrs Cr ASU Tr	Trans From	Gr

Awareness Areas

	Hrs Cr ASU Tr	Trans From	Gr
Cultural			
Global			
Historical			

B. Literacy/Critical Inquiry (6 hrs)

+ L: IEE 368 (or IEE 369) Fac. Design *Satisfied by Courses in Major*
+ L: IEE 490 Project in Design

	Hrs Cr ASU Tr	Trans From	Gr
SQ: PHY 121/122 Physics I / Lab I			
SQ: PHY 131/132 Physics II / Lab II			

D. Mathematical Studies (6 hrs)

CS: CSE 110 Prin. of Prog. with Java *Satisfied by Courses in Major*
MA: MAT 275 Mod. Diff. Eqs

	Hrs Cr ASU Tr	Trans From	Gr
Sub Total (II)			

III. Required Lower Division Courses (57 hrs)

A. Natural Sciences/Basic Sciences (11 hrs)

	Hrs Cr ASU Tr	Trans From	Gr
BME 111 Engr Persp on Bio Sys	3		
SQ: PHY 121 University Physics I	3		
SQ: PHY 122 Univ. Physics Lab. I	1		
SQ: PHY 131 University Physics II	3		
SQ: PHY 132 Univ. Physics Lab. II	1		

B. Mathematical Studies (14 hrs)

	Hrs Cr ASU Tr	Trans From	Gr
MAT 242 Elem. Linear Algebra	2		
MA: MAT 275 Mod Diff. Eqs.	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		

Submitted by _____ Date _____
Student Signature *Date*

C Lower Division Engr. (29 hrs)

	Hrs Cr ASU Tr	Trans From	Gr
CEE 211 or MAE 212 Engr. Mech.	4		
CS: CSE 110 Prin. of Prog. with Java	3		
CS: CSE 205 Con. of CS & Data Str.	3		
EEE 202 Circuits I	4		
+ CS: IEE 100 Intro. Engr. Dsgn. For IE	3		
+ IEE 210 Intro. to Ind. Engr.	3		
+ IEE 220 Business & Ind. Engr.	3		
+ CS: IEE 280 Prob./Stat. for Engr. Prob.	3		
MSE 250 Structure / Prop. of Matter	3		

D. Business (3 hrs)

	Hrs Cr ASU Tr	Trans From	Gr
SB: ECN 211 Macroeconomics Prin.	3		

Sub Total (III)

+ IV. Required Upper Division Courses (45 hrs)

	Hrs Cr ASU Tr	Trans From	Gr
IEE 300 Econ. Anls. For Engr.	3		
IEE 305 Information Systems Eng.	3		
L: IEE 368 (or + IEE 369) Facilities Design	3		
IEE 376 Deterministic Operation Res.	3		
IEE 385 Engr. Statistics With Probability	3		
IEE 461 Production Control	3		
IEE 470 Stochastic Op. Res.	3		
IEE 474 Quality Control	3		
IEE 475 Sim. Stochastic Syst.	3		
L: IEE 490 Project in Design	3		

Focus Area Tech. Electives (12 hrs)

	Hrs Cr ASU Tr	Trans From	Gr

Technical Elective (3 hours) See Department

Sub Total (IV)

Total Upper Division _____ (minimum 45 required)

+ A minimum grade of “C” (2.0) required

Designates a skill-set course

Graduation Requirements

Regular Curriculum – 120 Hours

	Hrs/ASU	Tr Hrs	Total
Semester Hour Summary			
I. English Proficiency			
II. General Studies			
III. Required Lower Division			
IV. Required Upper Division			
Total Program Hours			

Approved _____ Date _____
Advisor *Date*

Approved _____ Date _____
Department Chair *Date*