Industrial Engineering Undergraduate Requirements   For those entering Fall 2019 and beyond

126 Total Credits Required

Student Name:		PS ID:	

Course Requirement	Satisfied By	Grade	Notes / Term Completed	Course Requirement	Satisfied By	Grade	Notes / Term Completed
Math Requirements (18 or 19 credits)				**IE Core (49 Credits)**			
MATH 0220 (Calculus 1)				IE 0015 (Intro to Data Analytics)			
MATH 0230 (Calculus 2)				IE 1035 (Engineering Management)			
MATH 0240 (Calculus 3)				IE 1040 (Engineering Economy)			
MATH 0280 (Linear Algebra)				IE 1051 (Engr Product Design)			
MATH 0290 (Diff. Eq.) or MATH 413 (Theor. Math)				IE 1052 (Mftg. Processes)			
				IE 1054 (Productivity Analysis)			
				IE 1055 (Facl. Layout & Mat'l Hand)			
Physics Requirements (8 credits)				IE 1061 (Human Factors)			
PHYS 0174 (Calc based Phys 1)				IE 1070 (Prob., Rand Var., Distrb.)			
PHYS 0175 (Calc based Phys 2)				IE 1071 (Stat. Test.& Regression)			
				IE 1072 (DOE and QA)			
Chemistry Requirements (6 credits)				IE 1080 (Supply Chain)			
CHEM 0960 (Chemistry 1)				IE 1081 (Operations Research)			
CHEM 0970 (Chemistry 2)				IE 1082 (Probabilistic OR)			
At least one CHEM lab				IE 1083 (Simulation)			
				IE 1090 (Senior Design)			

Course Requirement	Satisfied By	Grade	Notes / Term Completed
Freshman Engineering Courses (6 credits)			
ENGR 0011 (or ENGR 0015)			
ENGR 0012 (or ENGR 0016)			

Technical Electives (15 credits)

Course Requirement	Satisfied By	Grade	Notes / Term Completed
Technical Elective #1			
Technical Elective #2			
Technical Elective #3			
Technical Elective #4			
Technical Elective #5			

H/SS electives (18 credits)

Course Requirement	Satisfied By	Grade	Notes / Term Completed
H/SS 1			
H/SS 2			
H/SS 3			
H/SS 4			
H/SS 5			
H/SS 6			

ENGR Courses - Select 2 of 3 - 0022 (Materials), 0135 (Statics & Dynamics), or any introductory Circuits Course (ECE 0031, COE 0031, MEMS 0031, ECE 0101, ECE 0201, BIOENG 1310) (6 credits)**

H/SS Must satisfy:

Depth (at least two in the same area and one not an intro course)   ☐

Breadth (at least 3 different h/ss areas)   ☐

"W" (writing course - can be satisfied with a non h/ss course)   ☐   course _____

International Requirement (Option A OR Option B):

Option A - An approved international experience:
Option B - Two (2) globally focused cohesive h/ss courses:

Advisor Signature _____   Student Signature_____

Date _____   Date _____

** Students are encouraged to take the 3rd of these as a technical elective