

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
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Math Requirements (18 or 19 credits)

MATH 0220 (Calculus 1)			
MATH 0230 (Calculus 2)			
MATH 0240 (Calculus 3)			
MATH 0280 (Linear Algebra)			
MATH 0290 (Diff. Eq.) or MATH 413 (Theor. Math)			

IE Core (49 Credits)

IE 0015 (Intro to Data Analytics)			
IE 1035 (Engineering Management)			
IE 1040 (Engineering Economy)			
IE 1051 (Engr Product Design)			
IE 1052 (Mftg. Processes)			
IE 1054 (Productivity Analysis)			
IE 1055 (Fac'l. Layout & Mat'l Hand)			
IE 1061 (Human Factors)			
IE 1070 (Prob., Rand Var., Distrib.)			
IE 1071 (Stat. Test. & Regression)			
IE 1072 (DOE and QA)			
IE 1080 (Supply Chain)			
IE 1081 (Operations Research)			
IE 1082 (Probabilistic OR)			
IE 1083 (Simulation)			
IE 1090 (Senior Design)			

Physics Requirements (8 credits)

PHYS 0174 (Calc based Phys 1)			
PHYS 0175 (Calc based Phys 2)			

Chemistry Requirements (6 credits)

CHEM 0960 (Chemistry 1)			
CHEM 0970 (Chemistry 2)			
At least one CHEM lab			

Freshman Engineering Courses (6 credits)

ENGR 0011 (or ENGR 0015)			
ENGR 0012 (or ENGR 0016)			

H/SS electives (18 credits)

H/SS 1			
H/SS 2			
H/SS 3			
H/SS 4			
H/SS 5			
H/SS 6			

Technical Electives (15 credits)

Technical Elective #1			
Technical Elective #2			
Technical Elective #3			
Technical Elective #4			
Technical Elective #5			

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