**Industrial Engineering Undergraduate Requirements**  
For those entering Fall 2019 and beyond

**126 Total Credits Required**

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<th>Student Name:</th>
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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)**

### 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** (Chem 2 w/ 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**

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)

### International Requirement (Option A OR Option B):

- **Option A** - Travel plus one (1) globally focused h/ss course:  
- **Option B** - Three (3) globally focused (preferably related) h/ss courses:

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**IE Core (49 Credits)**

- **IE 0015** (Information Systems)  
- **IE 1035** (Engineering Management)  
- **IE 1040** (Engineering Economy)  
- **IE 1051** (Engr Product Design)  
- **IE 1052** (Mfg. Processes)  
- **IE 1054** (Productivity Analysis)  
- **IE 1055** (Facil. 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)

### 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), 1869 (Circuits) (6 credits)**

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Advisor Signature ___________________________________________  
Student Signature__________________________________________

Date____________________________  
Date____________________________

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