## B.S. in INDUSTRIAL ENGINEERING
### Suggested 4-Year Academic Flowchart

**2022-2026 Catalog**

**Updated 5/17/2022**

### Fall
**Intro to IME**
IME 101 (1)

**Writing Arguments about STEM**
ENGL 147 (4) ([A3])

### Winter
**Intro to Design & Manufacturing**
IME 144 (4)

**Calculus I**
MATH 141 (4) ([B4])

**General Chemistry**
CHEM 124 (4) ([B1 & B3])

**Choose One:**
- CSC 232 (3) or CPE/CSC 101 (4) ([A2])

**General Physics I**
PHYS 141 (4) ([A1])

**GE (4) **

**Oral Communication**
COMS 101 or 102 (4) ([A1])

### Spring
**Process Improvement Fundamentals**
IME 223 (4)

**Materials Engineering & Laboratory**
MATE 210 (3) & 211 (5) ([C3])

**Engineering Statics**
ME 211 (3) ([A1])

**Intro to Enterprise**
IME 156 (2)

**MATH 142 (4)**

**Elective**
Choose Two:
- EE 204 (3)
- EE 322 (3)
- ME 212 (3) [A2]

**GE (4) **

**Expository Writing**
ENGL 133 or 134 (4) ([A2])

### TOTAL: 190

### Notes:

**Most General Education Courses can be taken in any order as long as prerequisites are met**
- Refer to current catalog for prerequisites.

**One course from each of the following GE areas must be completed: A1, A2, C1, Lower-Division C Elective, Upper-Division C, D1, Area D Elective, and F. Upper-Division C should be taken only after Junior standing is reached (90 units).**

Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR). USCP requirement can be satisfied by some (but not all) courses within GE categories: C1, Upper-Division C, D1, D2, or Upper-Division D.

1. Course can be taken previously or concurrently.
2. Course can be taken anytime between Winter of Freshman and Winter of Sophomore Years.
3. *Refer to current catalog for prerequisites.
4. Choose two of the three optional courses for a total of 6 units.
5. *Refer to current catalog for prerequisites.

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### Legend:

- **Course Title**
- **Prerequisite**
- **Support**
- **GE Area**
- **Major (81-82)**
- **Support (72-73)**
- **General Ed. (36)**

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### Course Title

- **Course # (Units)**
- **Major (81-82)**
- **Support (72-73)**
- **GE Area**
- **General Ed. (36)**