2020 Suggested Courses for
Industrial Engineering (IE) 2020 – 2021 Catalog

1) Major course options:
   • May already be fulfilled with transfer credit; check prerequisites
   • IME 101 (1)*: Intro to Industrial & Manufacturing Engineering (required in fall 2020)
   • IME 144 (4) ^: Introduction to Design and Manufacturing
   • IME 212 (4) ^: Introduction to Enterprise Analytics
   • IME 223 (4) ^: Process Improvement Fundamentals
   • IME 301 (4) ^: Operations Research I
   • IME 326 (4) ^: Engineering Test Design and Analysis
   • IME 141 (1): Manufacturing Processes: Net Shape
   • IME 156 (2): Basic Electronics Manufacturing
   • IME 315 (3): Financial Decision Making for Engineers
   • For planning purposes, refer to Term Typically Offered Website for the term(s) courses are typically offered.

2) Support course options:
   • May already be fulfilled with transfer credit; check prerequisites
   • ME 211 (3): Engineering Statics or ME 212 (3): Engineering Dynamics
   • CSC 232 (3): Computer Programming for Scientists and Engineers
   • CE 204 (3): Mechanics of Materials I
   • BIO 213 (2) & BMED 213 (2): Life Science for Engineers and Bioengineering Fundamentals
   • MATE 210 (3) & MATE 215 (1): Materials Engineering and Materials Laboratory I
   • EE 201 (3) & EE 251 (1): Electric Circuit Theory and Laboratory or EE 321 (3): Electronics
   • STAT 321 (4): Probability and Statistics for Engineers and Scientists
   • PSY 201 (4): General Psychology or PSY 202 (4): General Psychology

*Course is required or strongly recommended in fall due to course availability or prerequisites
^Course should be taken as soon as possible

3) General Education (GE) course options:
   • May already be fulfilled with transfer credit; check prerequisites
   • Any remaining lower division GE course(s).
   • Upper-Division C GE
   • The Graduation Writing Requirement (GWR) must be fulfilled before graduation by either enrolling in a GWR-approved, upper-division English course (which can double-count with the
Upper-Division C) OR by registering for the Writing Proficiency Examination (WPE). GWR courses are searchable on Schedule Builder.

- The **United States Cultural Pluralism (USCP)** requirement must be satisfied before graduation. USCP courses may double-count with a remaining GE requirement and are searchable on Schedule Builder.

4) **Additional notes:**
   - Recommended that you enroll in 12 – 16 units.

5) **Engineering Student Services:**
   - Engineering Advising | Multicultural Engineering Program | International Exchange Program
   - Location: Building 40, Room 115
   - Phone: 805-756-1461
   - Email
   - Website

6) **IME Department:**
   - Location: Building 192, Room 223
   - Phone: 805-756-2341
   - Email
   - Website