2020 Suggested Courses for
Manufacturing Engineering (MFGE) 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 140 (2)*: Graphics Communication and Modeling
   • IME 223 (4)^: Process Improvement Fundamentals
   • IME 327 (4)^: Test Design and Analysis in Manufacturing Engineering
   • IME 141(1): Manufacturing Processes: Net Shape
   • IME 142 (2): Manufacturing Processes: Materials Joining
   • IME 144 (4): Introduction to Design and Manufacturing
   • IME 156 (2): Basic Electronics Manufacturing
   • IME 314 (3) or IME 315 (3): Engineering Economics or 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
   or ME 302 (3): Thermodynamics I
   • 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

*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