2021 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 2021)
   • IME 140 (2)*: IME 140 is no longer offered; you can take ME 228 (offered every quarter) or IME 244 (offered fall 2022) to replace it
   • IME 223 (4)^: Process Improvement Fundamentals
   • 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
   • ENGL 147 (4): Writing Arguments about STEM (ENGL 147 replaced ENGL 149)

*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 completing the GWR Portfolio (currently for students in graduating quarter only). 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.
- All transfer students admitted in fall 2021 will follow the 20-21 catalog due to changes on the 21-22 catalog that may require additional coursework. You can change your catalog year through the Registrar’s Office, if you wish. We recommend meeting with an advisor before changing your catalog.
- You may need a permission number to enroll in a course. Permission numbers are unique codes departments or class instructors may choose to issue so you can enroll in a class that the system is preventing you from enrolling in on your own.

5) Engineering Student Services:
   Engineering Advising | Multicultural Engineering Program | International Exchange Program
   Location: Building 40, Room 115
   Phone: 805-756-1461 (not monitored during COVID-19 office closure)
   ESS Email: eadvise@calpoly.edu
   ESS Website

6) IME Department:
   Location: Building 192, Room 223
   Phone: 805-756-2341
   IME Email: ime@calpoly.edu
   IME Website