



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](#)