CAL POLY
Student Services
COLLEGE OF ENGINEERING

Fall 2023 Suggested Courses for Manufacturing Engineering (MFGE)

1) **High-priority courses for Fall 2023:**
   These courses are recommended for Fall 2023 for your major.
   These requirements may already be fulfilled with transfer credit.
   You may not be eligible for these courses yet due to prerequisites. Check current requisites in the 2022-26 Catalog.

   - IME 101 (1): Intro to Industrial & Manufacturing Engineering (offered fall only)
   - IME 144 (4): Introduction to Design and Manufacturing
   - ME 211 (3): Engineering Statics
     or CE 204 (3): Mechanics of Materials I
   - MATE 210 (3) & MATE 215 (1): Materials Engineering and Materials Laboratory I

2) **Mid-priority courses for Fall 2023:**
   These courses are not required for Fall 2023 but are recommended to take sooner than later.
   These requirements may already be fulfilled with transfer credit.
   You may not be eligible for these courses yet due to prerequisites. Check current requisites in the 2022-26 Catalog.

   - IME 141 (1): Manufacturing Processes: Net Shape
   - IME 142 (2): Manufacturing Processes: Materials Joining
   - IME 223 (4): Process Improvement Fundamentals
   - CSC 232 (3): Computer Programming for Scientists and Engineers
   - 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

3) **Low-priority courses for Fall 2023:**
   These are additional course options for Fall 2023, if you need additional units.
   These requirements may already be fulfilled with transfer credit.
   You may not be eligible for these courses yet due to prerequisites. Check current requisites in the 2022-26 Catalog.

   - IME 156 (2): Basic Electronics Manufacturing
   - IME 314 (4) or IME 315 (4): Engineering Economics or Financial Decision Making for Engineers
   - ME 212 (3): Engineering Dynamics
     or ME 302 (3): Thermodynamics I
   - ENGL 147 (4): Writing Arguments about STEM (replaces ENGL 149 on 20-21 catalog)

4) **General degree requirement notes:**
   - The Graduation Writing Requirement (GWR) must be fulfilled before graduation by either:
     1. Enrolling in a GWR-approved, upper-division English course, which can double-count with the Upper-Division C.
     2. Or enrolling in UNIV 401: GWR Portfolio. Do not take this course in Fall 2023; take it after you complete the Upper-Division C GE.
   - 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.

5) **Additional notes:**
   - Recommended that you enroll in 12 – 16 units in Fall 2023.
   - New transfer students will be placed on the 20-21 Catalog or the 22-26 Catalog based on eligibility and coursework completed. You can view your catalog after matriculation (usually mid/late July) by going to "My Portal," selecting the "Academics" tab, then "PolyProfile." Your catalog will be listed above your major information.
   - 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. The code allows you to enroll in a class that the system is preventing you from enrolling in.
   - For planning purposes, refer to the Terms Typically Offered Website for the term(s) courses are typically offered.

6) **Engineering Student Services (ESS):**
   Engineering Advising | Multicultural Engineering Program | International Exchange Program
   Location: Building 40, Room 115
   Phone: 805-756-1461
   ESS Email: eadvise@calpoly.edu
   ESS Website

7) **Industrial and Manufacturing Engineering (IME) Department:**
   Location: Building 192, Room 223
   Phone: 805-756-2341
   IME Email: ime@calpoly.edu
   IME Website