Fall 2022 Suggested Courses for Manufacturing Engineering (MFGE)

1) **High-priority courses for Fall 2022:**
   These courses are recommended for Fall 2022 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 141 (1): Manufacturing Processes: Net Shape
   - IME 144 (4): Introduction to Design and Manufacturing
   - IME 142 (2): Manufacturing Processes: Materials Joining
   - STAT 321 (4): Probability and Statistics for Engineers and Scientists

2) **Mid-priority courses for Fall 2022:**
   These courses are not required for Fall 2022 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 223 (4): Process Improvement Fundamentals
   - IME 244 (2) (offered winter) or ME 228 (2) (offered every quarter); replaces IME 140
   - ME 211 (3): Engineering Statics
   - CE 204 (3): Mechanics of Materials I
   - CSC 232 (3): Computer Programming for Scientists and Engineers
   - MATE 210 (3) & MATE 215 (1): Materials Engineering and Materials Laboratory I

3) **Low-priority courses for Fall 2022:**
   These are additional course options for Fall 2022, 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
   - EE 201 (3) & EE 251 (1): Electric Circuit Theory and Laboratory
     or EE 321 (3): Electronics
   - ENGL 147 (4): Writing Arguments about STEM; replaces ENGL 149
4) General degree requirement notes:
   • The General 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 2022; 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 2022.
   • For planning purposes, refer to the Terms Typically Offered Website for the term(s) courses are
     typically offered.
   • Most transfer students admitted in Fall 2022 will follow the 20-21 catalog due to changes on
     the newest catalog that 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. The code allows you to enroll in a class
     that the system is preventing you from enrolling in.

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