Fall 2024 Suggested Courses for Industrial Engineering (IE)

1) **High-priority courses for Fall 2024:**
   *These courses are recommended for Fall 2024 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
   - IME 212 (4): Introduction to Enterprise Analytics
   - CSC 232 (3): Computer Programming for Scientists and Engineers
   - STAT 321 (4): Probability and Statistics for Engineers and Scientists

2) **Mid-priority courses for Fall 2024:**
   *These courses are not required for Fall 2024 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 144 (4): Introduction to Design and Manufacturing
   - IME 223 (4): Process Improvement Fundamentals
   - IME 301 (4): Operations Research I

3) **Low-priority courses for Fall 2024:**
   *These are additional course options for Fall 2024, 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 319 (3): Human Factors Engineering
   - IME 141 (1): Manufacturing Processes: Net Shape
   - IME 156 (2): Basic Electronics Manufacturing
   - IME 315 (3): Financial Decision Making for Engineers
   - ME 211 (3): Engineering Statics
     or ME 212 (3): Engineering Dynamics
   - CE 204 (3): Mechanics of Materials I
   - 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
   - PSY 201 (4): General Psychology or PSY 202 (4): General Psychology
   - ENGL 147 (4): Writing Arguments about STEM (replaces ENGL 149)

1 Only 2 of the following are required: ME 212, CE 204, EE 321
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 2024; 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 2024.
   - 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: eadvise.calpoly.edu

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