Fall 2023 Suggested Courses for Industrial Engineering (IE)

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
- 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 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 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 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 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 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**