Fall 2022 Suggested Courses for Materials Engineering (MATE)

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.

   • If you do not have credit for MATE 210 and/or MATE 215, then take:
     o MATE 210 (3) & 215 (1)*: Materials Engineering and Lab I
       (1) if you have credit for MATE 210, but not 215 then just take MATE 215 and Email Dr. Harding to get a permission number to take MATE 225 concurrently.
     o MATE 232 (4): Materials, Ethics, and Society
     o MATE 225 (1): Materials Lab II
       (1) Email Dr. Harding to get a permission number to take MATE 232 and 225 concurrently with MATE 210/215
   • If you have credit for MATE 210 and MATE 215, then take:
     o MATE 340 (4): Electronic Materials Systems
     o MATE 232 (4): Materials, Ethics, and Society
     o MATE 225 (1): Materials Lab II
   • Do NOT take MATE 110 and 120. Instead, substitute two unused units from your previous college or Cal Poly. A Course Substitution Form will be required. See Engineering Student Services or your Department Chair for assistance.

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 144 (4): Introduction to Design and Manufacturing
   • EE 201 (3) & EE 251 (1): Electric Circuit Theory and Laboratory
   • ME 211 (3): Engineering Statics or CE 204 (3): Mechanics of Materials I
   • One of the following:
     o STAT 312 (4): Statistical Methods or
     o STAT 321 (4) Probability & Statistics for Engineers & Scientists
   • Any remaining lower division support course not transferred in

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.

- Junior year elective. Choose from: CHEM 312, ENGR 334, IME 303, ITP 431, MATE 390, or NR 434
- Any remaining lower division GE course(s).
- Upper-Division C

4) General degree requirements 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 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:
- Take MATE 245 in spring of your first year.
- Please meet with the MATE Department Chair (Dr. Harding) to create your graduation plan.
- Most MATE courses are only offered once a year; for planning purposes, refer to terms typically offered for the term(s) MATE courses are typically offered.
- Recommended that you enroll in 12 – 16 units in Fall 2022.
- Most transfer students admitted in Fall 2022 will follow the 20-21 catalog due to changes to 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) MATE Department:
  Location: Building 41A, Room 229
  Phone: 805-756-2568
  MATE Email: mate@calpoly.edu
  MATE Website