2021 Suggested Courses for
Materials Engineering (MATE) 2020 – 2021 Catalog

1) Major course options:
   • May already be fulfilled with transfer credit; check prerequisites.
   • If you do not have credit for MATE 210 and MATE 215, then take:
     o MATE 210 (3)* & 215 (1)*: Materials Engineering and Lab I
     o MATE 232 (4)*: Materials, Ethics, and Society
     o MATE 225 (1)*: Materials Lab II
       ▪ 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.
   • Take MATE 130 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.

2) Support course options:
   • May already be fulfilled with transfer credit; check prerequisites.
   • EE 201 (3) & EE 251 (1): Electric Circuit Theory and Laboratory
   • IME 144 (4): Introduction to Design and Manufacturing
   • ME 211 (3): Engineering Statics
     or CE 204 (3): Mechanics of Materials I
   • Either:
     o IME 315 (3): Financial Decision Making for Engineers
       for Engineers & Scientists
     o IME 326 (4): Engineering Test Design & Analysis
       and STAT 321 (4) Probability & Statistics for Engineers & Scientists
   • CSC 231 (2): Programming for Engineering Students
   • MATE 325 (1): Transport Phenomena I

*Course is required or strongly recommended in fall due to course availability or prerequisites.
^Course should be taken as soon as possible.
3) **General Education (GE) course options:**
- May already be fulfilled with transfer credit; check prerequisites.
- Any remaining lower division GE course(s).
- Upper-Division C
- The [Graduation Writing Requirement (GWR)](https://example.com) must be fulfilled before graduation by either enrolling in a GWR-approved, upper-division English course (which can double-count with the Upper-Division C) OR by completing the [GWR Portfolio](https://example.com) (currently for students in graduating quarter only). GWR courses are searchable on Schedule Builder.
- The [United States Cultural Pluralism (USCP)](https://example.com) requirement must be satisfied before graduation. USCP courses may double-count with a remaining GE requirement and are searchable on Schedule Builder.

4) **Additional notes:**
- Recommended that you enroll in 12 – 16 units.
- Pay close attention to course sequencing on your flowchart to help you prioritize which courses may be most important to take first based on prerequisites for future courses.
- All transfer students admitted in fall 2021 will follow the 20-21 catalog due to changes on the 21-22 catalog that may require additional coursework. You can change your catalog year through the [Registrar’s Office](https://example.com), if you wish. We recommend [meeting with an advisor](https://example.com) before changing your catalog.
- You may need a [permission number](https://example.com) to enroll in a course. Permission numbers are unique codes departments or class instructors may choose to issue so you can enroll in a class that the system is preventing you from enrolling in on your own.

5) **Engineering Student Services (ESS):**
   Engineering Advising | Multicultural Engineering Program | International Exchange Program
   Location: Building 40, Room 115
   Phone: 805-756-1461 (not monitored during COVID-19 office closure)
   [ESS Email](https://example.com)
   [ESS Website](https://example.com)

6) **MATE Department:**
   Location: Building 41A, Room 229
   Phone: 805-756-2568
   [MATE Email](https://example.com): mate@calpoly.edu
   [MATE Website](https://example.com)