Fall 2023 Suggested Courses for GENE

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.

   • ME 211 (3): Engineering Statics
     or ME 212 (3): Engineering Dynamics
   • CE 204 (3): Mechanics of Materials I
   • IME 144 (4): Introduction to Design and Manufacturing
   • CPE/CSC 101 (4): Fundamentals of Computer Science I
     (May substitute CSC 231 (2 units) plus an additional 2 units of other advisor approved coursework if doing individualized course of study)
   • EE 201 (3) & EE 251 (1): Electric Circuit Theory and Laboratory
   • MATE 210 (3) & MATE 215 (1): Materials Engineering and Materials Laboratory I

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.

   • ME 302 (3): Thermodynamics I
     or/and ME 341 (3): Fluid Mechanics I
   • IME 314 (3): Engineering Economics
     or IME 315 (3): Financial Decision Making for Engineers
   • MATH 344 (4): Linear Analysis II
     or STAT 312 (4): Statistical Methods for Engineers

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.

   • Any remaining lower division GE course(s).
     o Note: Any GE area A3 can count for ENGL 149 on the 20-21 catalog
     o Note: Any GE area B2 can count for BIO/BMED 213 on the 20-21 catalog
   • Upper-Division C
   • Physical Science Electives
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.
   • For planning purposes, refer to the [Terms Typically Offered Website](#) for the term(s) courses are typically offered.
   • **Transfer students should not take ENGR 110.** Two units of an engineering introduction course from a previous institution may substitute for ENGR 110; talk to the GENE Director about an appropriate substitution. For the Individualized Course of Study (ICS) Concentration, the substitution must be noted on your ICS form. For the General Curriculum, a [course substitution petition](#) is required.
   • Meet with the GENE Director (who also serves as your faculty advisor) to discuss your concentration choice during fall quarter and to guide your future course selection.
   • Concentrations: All GENE students are automatically placed under the **General Curriculum Concentration** but if the Individualized Course of Study (ICS) is preferred, you will need to complete the [Individualized Course of Study form](#).
   • 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 your “My Portal”, select the “Academics tab,” then PolyProfile, your catalog should 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.

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) GENE Department:
Location: Building 13, Room 263
Phone: 805-756-6339
GENE Director: Liz Thompson lischleme@calpoly.edu
[GENE Email](#): gene@calpoly.edu