Fall 2022 Suggested Courses for GENE

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.
   - 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
     (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 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.
   - 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 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.
   - Any remaining lower division GE course(s).
     - Note: Any GE area A3 can count for ENGL 149
     - Note: Any GE area B2 can count for BIO/BMED 213
   - 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 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:
   - Recommended that you enroll in 12 – 16 units in Fall 2022.
   - 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.
   - Most transfer students admitted in Fall 2022 will follow the 20-21 catalog due to changes on 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) GENE Department:
   - Location: Building 13, Room 263
   - Phone: 805-756-6339
   - GENE Director: Liz Thompson lschleme@calpoly.edu
   - GENE Email: gene@calpoly.edu
   - GENE Website