



2020 Suggested Courses for Computer Engineering (CPE) 2020 – 2021 Catalog

1) Major course options:

- **May already be fulfilled with transfer credit; check prerequisites**
- CPE 203 (4)*: Project-Based Object-Oriented Programming and Design
 - If you experience problems enrolling in CPE 203 (Sections 01, 03, 05, 07 have seats reserved for transfers), please contact Leanne Fiorentino in the CSC Department: [email](#), phone: 805-756-2825
- CPE 133 (4) ^: Digital Design
- Students **without** transfer credit in EE 113 (2)*: Electric Circuit Analysis I
 - Take: EE 113 (2)* Electric Circuit Analysis I and EE 143* (1) Electronics Manufacturing and Circuit Analysis Laboratory
- Students **with** transfer credit in EE 113 (2): Electric Circuit Analysis I
 - Take EE 143 (1)* Electronics Manufacturing and Circuit Analysis Laboratory
 - Take: EE 211 (3)* and EE 241 (1)*: Electric Circuit Analysis II and Laboratory or EE 212 (3)* and EE 242 (1)*: Electric Circuit Analysis III and Laboratory

Note for EE Courses: Permission to enroll via permission number is required for these courses. Please fill out the form below completely. Yvonne Lynch, Administrative Coordinator, of the EE Department will email you permission numbers as her schedule permits. Please be patient, as she will have many students to assist. If you have any questions about this process, please email Yvonne Lynch at ylynch@calpoly.edu.

- [Electrical Engineering Course Permission Number Request Form](#)
- Transfer students should **NOT** take CPE 123 (4): Introduction to Computing.
 - **May already be fulfilled with transfer credit**
 - If not fulfilled, take an additional 4 extra units of Technical Electives in a future quarter
- Transfer students should **NOT** take CPE 100 (1): Computer Engineering Orientation.
 - **Excess transfer units will satisfy this requirement**

2) Support course options:

- **May already be fulfilled with transfer credit; check prerequisites**
- PHYS 211 (4) ^: Modern Physics I
- Approved CSC, EE, Math or Science Elective (Select one course from the following):
CHEM 125 (4): General Chemistry for Physical Science and Engineering II
or CPE/EE 328 (3): Discrete Time Signals and Systems
or CSC 349 (4): Design and Analysis of Algorithms
or MATE 210 (3) and MATE 215 (1): Materials Engineering and Materials Laboratory
or ME 211 (4): Engineering Statics

***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).
- GE C4
- The [Graduation Writing Requirement \(GWR\)](#) must be fulfilled before graduation by either enrolling in a GWR-approved, upper-division English course (which can double-count with the GE C4) OR by registering for the Writing Proficiency Examination (WPE). GWR courses are searchable on PASS.
- 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 PASS.

4) Additional notes:

- Recommended that you enroll in 12 – 16 units.
- As you plan, pay close attention to the prerequisites required for CPE 357.
- For planning purposes, refer to the [Catalog Website](#) or [Terms Typically Offered Website](#) for the term courses are typically offered.

5) Engineering Student Services:

Engineering Advising | Multicultural Engineering Program | International Exchange Program

Location: Building 40, Room 115

Phone: 805-756-1461

[Email](#)

[Website](#)

6) CPE Department:

Location: Building 20A, Room 215

Phone: 805-756-1229

[Website](#)