College of Engineering

*Engineering Student Services*

**2019 Suggested Courses for**

**Computer Engineering (CPE) 2019 – 2020 Catalog**

1. **Major course options:**
	* **May already be fulfilled with transfer credit; check prerequisites**
	* CPE 100 (1)\*: Computer Engineering Orientation (required Fall 2019)
	* CPE 203 (4)\*: Project-Based Object-Oriented Programming and Design
		+ If you experience problems enrolling in CPE 203, please contact Leanne Fiorentino in the CSC Department: email, phone: 805-756-2825
	* CPE 133 (4) ^: Digital Design
	* Students **without** transfer credit in EE 112 (2): Electric Circuit Analysis I
* Take: EE 112 (2)\*: Electric Circuit Analysis I

Students **with** transfer credit in EE 112 (2): Electric Circuit Analysis I

* 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: Permission to enroll via permission number is required for these courses. Email Yvonne Lynch in the EE Department to obtain permission numbers; please include your preferred section of each course in your email:**

Yvonne Lynch, EE Department, email, phone: 805-756-2781

* + Transfer students should NOT take CPE 123.
		- **May already be fulfilled with transfer credit**
		- If not fulfilled, take an additional 4 extra units of Technical Electives in a future quarter
1. **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**

1. **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)](https://writingcenter.calpoly.edu/content/gwr/index) 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)](http://catalog.calpoly.edu/generalrequirementsbachelorsdegree/#uscptext) requirement must be satisfied before graduation. USCP courses may double-count with a remaining GE requirement and are searchable on PASS.
2. **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](http://catalog.calpoly.edu/coursesaz/) or [Terms Typically Offered Website](https://registrar.calpoly.edu/term-typically-offered) for the term courses are typically offered.
3. **Engineering Student Services:**

Engineering Advising | Multicultural Engineering Program | International Exchange Program

Location: Building 40, Room 115

Phone: 805-756-1461

Email

Website

1. **CPE Department:**

Location: Building 20A, Room 215

Phone: 805-756-1229

Website