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

1) Major course options:
   • **May already be fulfilled with transfer credit; check prerequisites.**
   • CPE 100 (1)*: Computer Engineering Orientation
   • If you do not have transfer credit in CPE 202:
     o Take CPE 202 (4)*: Data Structures
   • If you have transfer credit in CPE 202:
     o Take CPE 203 (4)*: Project-Based Object-Oriented Programming and Design
   • CPE 133 (4)*: Digital Design
     o You will need a permission number to enroll in CPE 133; follow the instructions under “Additional Notes” in this document. (This permission number will override the prerequisite of CPE 100.)
   • EE 143 (1)*: Electric Circuit Analysis I Laboratory
     o If you already have credit for EE 113, you will need to request a permission number to enroll in EE 143; follow the instructions under “Additional Notes” in this document. (This permission number will override the concurrent enrollment requisite with EE 113.)
   • If you do not have transfer credit in EE 113:
     o Take: EE 113 (3)*: Electric Circuit Analysis I
   If you have transfer credit in EE 113:
     o Take: EE 211 (3)* and EE 241 (1)*: Electric Circuit Analysis II and Laboratory
   If you have transfer credit in EE 113, 211, and 241:
     o Take: EE 212 (3)* and EE 242 (1)*: Electric Circuit Analysis III and Laboratory
   • Transfer students should NOT take CPE 123
     o **May already be fulfilled with transfer credit.**
     o If not fulfilled, take an additional 4 units of Technical Electives in a future quarter.

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).
   - Upper-Division C
   - 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 Upper-Division C) OR by completing the GWR Portfolio (currently for students in graduating quarter only). GWR courses are searchable on Schedule Builder.
   - 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.

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 Terms Typically Offered Website for the term(s) courses are typically offered.
   - 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 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 so you can enroll in a class that the system is preventing you from enrolling in on your own.

   If you experience problems enrolling in CPE 133 or any EE course, fill out the form linked below. Yvonne Lynch, EE Department Administrative Coordinator, 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 directly.

   Electrical Engineering Course Permission Number Request Form

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
   - ESS Website

6) CPE Department:
   - Location: Building 20A, Room 215
   - Phone: 805-756-1229
   - CPE Email
   - CPE Website