California State University, Chico  
Department of Electrical and Computer Engineering  
BS in Computer Engineering

**Freshman Year**  
Fall:  
- Math 120: Analytic Geometry & Calculus  
  4 Units (FS)  
  C- or higher req'd  
- EECE 101: Exploration of ECE  
  2 Units (FA)  
  Concurrent  
  Permitted  
  Prerequisite

Spring:  
- Math 121: Analytic Geometry & Calculus  
  4 Units (FS)  
  C- or higher req'd  
  3 Units (FS)  
  C- or higher req'd  
- CSCI 111: Program. & Algorithms I  
  4 Units (FS)  
  C- or higher req'd

**Sophomore Year**  
Fall:  
- PHYS 204A: Physics for Engineering Mechanics  
  4 Units (FS)  
  C- or higher req'd  
- ECE 144: Digital Logic Fund.  
  4 Units (FS)  
  C- or higher req'd  
- MATH 119

Spring:  
- PHYS 204B: Physics for Engineering Elec. & Mag.  
  4 Units (FS)  
  C- or higher req'd  
- ECE 237: Embedded System Devel.  
  3 Units (FS)  
  C- or higher req'd  
- CSCI 211: Program. & Algorith. II  
  4 Units (FS)  
  C- or higher req'd

**Junior Year**  
Fall:  
- ECE 211: Linear Circuits I  
  3 Units (FS)  
  C- or higher req'd  
- CSCI 211: Algorithms and Data Structures  
  4 Units (FS)  
  C- or higher req'd  
- HIST 130: United States History  
  3 Units (FS)  
  WI Suggested  
- GE Area F  
  3 Units

Spring:  
- ECE 211L: Linear Circuits I Activity  
  1 Unit (FS)  
  C- or higher req'd  
- ECE 311: Linear Circuits II  
  4 Units (FS)  
- ECE 446: Introduction to Computer Networks  
  3 Units (FS)  
- GE Area C1 or C2  
  3 Units

**Senior Year**  
Fall:  
- ECE 311: Linear Circuits II  
  4 Units (FS)  
- ECE 344: Digital System Design  
  4 Units (FS)  
- ECE 490A: Engineering Profession & Design  
  4 Units (FA)  
  C- or higher req'd

Spring:  
- ECE 315: Electronics I  
  4 Units (FS)  
- ECE 356: Signals, Systems, & Transforms  
  4 Units (FS)  
- ECE 490B: Engineering Economics/Implement.  
  4 Units (SP)

---

Pre-requisites for CMPE Electives and CMPE Restricted Electives must be followed.

Restricted Electives must be selected from a list of authorized EECE, CSCI, CINS and MATH courses.

- 16 Units
- 15 Units
- 17 Units
- 15 Units
- 18 Units
- 14-15 Units
- 16 Units
- 14-15 Units

April 2023