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 3 Units (FA)
- PHYS 204A Physics for Engineering Mechanics 4 Units (FS)
  - C or higher req’d
- ENGL 130W Academic Writing 3 Units (FS)
  - C- or higher req’d
- CMST 131 Speech Comm. Fund. 3 Units (FS)
  - C- or higher req’d

Spring
- Math 121 Analytic Geometry & Calculus 4 Units (FS)
  - C- or higher req’d
- PHYS 204B Physics for Engineering Elec. & Mag. 4 Units (FS)
- EECE 211 & EECE 211L Linear Circuits I 4 Units (FS)
  - C- or higher req’d
- CSCI 111 Program. & Algorithms I 4 Units (FS)
  - C- or higher req’d
- POLS 155 American Government 3 Units (FS)
- HIST 130 United States History 3 Units (FS)
- Chem 111 General Chemistry 4 Units (FS)

Sophomore Year
Fall
- Math 260 Elementary Differential Equations 4 Units (FS)
- EECE 311 Linear Circuits II 4 Units (FS)
  - C- or higher req’d
- MATH 217 or CSCI 217 Program. & Algorithm. II 4 Units (FS)
  - C or higher req’d
- GE Area F 3 Units
- GE Area C1 or C2 3 Units (FS)
  - WI Suggested

Spring
- MATH 350 Intro to Probability & Statistics 3 Units (FS)
- EECE 315 Electronics I 4 Units (FS)
- EECE 343 Computer Arch. Perform. & Implement. 4 Units (FS)
  - Concurrent Permitted
- CSCI 211 Program. & Algorith. II 4 Units (FS)
  - C or higher req’d
- PHYS 204A Physics for Engineering Mechanics 4 Units (FS)
  - C- or higher req’d

Junior Year
Fall
- GE Area C1 or C2 3 Units (FS)
- EECE 365 Signals, Systems, & Transforms 4 Units (FS)
  - Concurrent Permitted
- EECE 344 Digital System Design 4 Units (FS)
  - Concurrent Permitted

Spring
- EECE 490A Engineering Profession & Design 4 Units (FA)
  - Concurrent Permitted
- EECE 490B Engineering Economics/Implement. 4 Units (SP)
- EECE 437 Real-Time Embedded Systems 4 Units (FA)
- EECE 437 Real-Time Embedded Systems 4 Units (FA)
- EECE 446 Introduction to Computer Networks 3 Units (FS)
  - Concurrent Permitted

Senior Year
Fall
- GE UD Pathway 3 Units
- GE UD Pathway 3 Units
- GE UD Pathway 3 Units

Spring
- ECE Elective 3-4 Units
- CMPE Elective Units depend on course selected
  - ECE 345
  - ECE 416
  - ECE 555
  - CINS 449
  - CSCI 430
  - 3-4 units

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.

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

April 2022