California State University, Chico

Department of Electrical and Computer Engineering

2021/2022 Curriculum

BS in Electrical/Electronic Engineering

Concurrent

Permitted

Prerequisite

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

POLS 155
American Government
3 Units (FS)

CMST 131
Speech Comm. Fund.
3 Units (FS)
C- or higher req’d

ENGL 130W
Academic Writing
3 Units (FS)
C- or higher req’d

16 Units

Spring

Math 121
Analytic Geometry & Calculus
4 Units (FS)
C- or higher req’d

EECE 144
Digital Logic Fund.
4 Units (FS)
C- or higher req’d

EECE 211L
Linear Circuits I Activity
1 Units (FS)
C- or higher req’d

15 Units

Sophomore Year

Fall

Math 260
Elementary Differential Equations
4 Units (FS)

EECE 211
Linear Circuits I
3 Units (FS)
C- or higher req’d

EECE 237
Embedded System Devel.
3 Units (FS)
C- or higher req’d

GE Area C1 or C2
3 Units

GE Area B2
3 Units

15 Units

Spring

Math 220
Analytic Geometry & Calculus
4 Units (FS)

EECE 311
Linear Circuits II
4 Units (FS)

EECE 344
Digital System Design
4 Units (FS)

HIST 130
United States History
3 Units (FS)

GE Area F
3 Units

17 Units

Junior Year

Fall

MATH 350
Intro to Probability & Statistics
3 Units (FS)

EECE 315
Electronics I
4 Units (FS)

EECE 344
Digital System Design
4 Units (FS)

GE Area B2
3 Units

18 Units

Spring

EECE 365
Signals, Systems, & Transforms
4 Units (FS)

EECE 465
Digital Signal Processing
4 Units (FA)

EECE 316 or EECE 482
4 units

‡

EECE 343 or EECE 416
4 Units

‡

EECE 375 or EECE 453
3 or 4 Units

EECE 316 or EECE 482
4 units

‡

EECE 343 or EECE 416
4 Units

‡

Fields & Waves or Com. Sys. Design
EECE 375 or EECE 453
3 or 4 Units

EECE 490AW
ECE Design Project I
4 Units (FA)

‡

Computer Hardware Elective
EECE 343 or EECE 416
4 Units

‡

EECE 316 or EECE 482
4 units

‡

EECE 343 or EECE 416
4 Units

‡

GE UD Pathway
3 Units

15-16 Units

Senior Year

Fall

EECE 465
Digital Signal Processing
4 Units (FA)

EECE 490B
ECE Design Project II.
4 Units (SP)

RestRICTED EECE Elective
3 – 4 Units

EECE 490AW
ECE Design Project I
4 Units (FA)

‡

EECE 314/314L is offered in Fall; EECE 211/211L is a pre-requisite. CHEM 111 is offered every semester, but EENG students should take it in Spring.

‡

EECE elective pre-requisites and semester offered vary. Details will be provided in a department email issued before registration each semester.