Bachelor of Science Degree Program in Computer Engineering, CSUF

First Year	Second Year	Third Year	Fourth Year

Calculus I
Math 150A
(4 units)

Calculus II
Math 150B
(4 units)

Intermed. Calc.
Math 250A
(4 units)

Lin. Alg. & Diff. Eq.
MATH 250B
(4 units)

Math Structures I
Math 170A
(3 units)

Engr. Economics
**EGCP 401
(3 units)

Tech. Elective
(3 units)

Tech. Elective
(3 units)

Intro to Program.
*CPSC 120
(3 units)

Fund. Phys. I
Physics 225, L
(4 units)

Fund. Phys. II
Physics 226, L
(4 units)

Fund. Phys. III
Physics 227, L
(4 units)

Engr. Probability
EGCP-440 or EGEE 323
(3 units)

Modeling & Sim.
EGCP 371
(3 units)

Tech. Elective
(3 units)

Multidisc. Proj. II
EGCP 471 [C]
(2 units)

Written Comm.
English 101
(3 units)

Prog. Concepts
CPSC 121
(3 units)

Data Structures
CPSC 131
(3 units)

Electr. Circuits
EGEE 203
(3 units)

Electronics
EGEE 303
(3 units)

Comp. Design
EGCP 381
(4 units)

Embed. Processors
EGCP 450
(4 units)

General Ed.
(3 units)

General Ed.
(3 units)

Computer Struct.
EGCP 180
(3 units)

Design w/ VHDL
EGCP 281
(2 units)

Electr. Circ. Lab
EGEE 203L
(1 unit)

Electronics Lab
EGEE 303L
(1 unit)

Adv. Electronics
EGCP 441 [C]
(4 units)

Multidisc. Proj. I
EGCP 470
(2 unitss)

General Ed.
(3 units)

General Ed.
(3 units)

General Ed.
(3 units)

RTOS or OS
EGCP-460 or CPSC 351
(3 units)

General Ed.
(3 units)

Design w/ Verilog
EGCP 446
(3 units)

General Ed.
(3 units)

Microcontrollers
EGCP 280
(3 units)

* Corequisite Math 125 or equivalent course
** Junior or Senior Standing in Engineering

Anything marked with "C" requires C or better
All other courses requires C- or better

- ▇ Computer Engineering Courses
- ▇ Electrical Engineering Courses
- ▇ Computer Science Courses

- ▇ Math Courses
- ▇ Liberal Arts Courses

→ Prerequisite
┅> Corequisite

Course Title
Course Number
(Units)

Name:

CWID:

CpE BS Flowchart Rev: 10-21-2020