Bachelor of Science Degree Program in Computer Engineering, CSUF

First Year

- **Calculus I**
  - MATH 150A
  - (4 units)
- **Calculus II**
  - MATH 150B
  - (4 units)
- **Intro to Program.**
  - *CPSC 120A/L
  - (3 units)
- **Written Comm.**
  - ENGL 101
  - (3 units)
- **General Ed.**
  - See note 1
  - (3 units)
- **Computer Struct.**
  - EGC180
  - (3 units)
- **Design w/ VHD**
  - EGC 281
  - (2 units)

Second Year

- **Intermed. Calc.**
  - MATH 250A
  - (4 units)
- **Fund. Phys. I**
  - PHYS 225, L
  - (4 units)
- **Prog. Concepts**
  - CPSC 121A/L
  - (3 units)
- **Data Structures**
  - CPSC 131
  - (3 units)
- **Electr. Circ. Lab**
  - EGC 203L
  - (1 unit)
- **Electr. Circuits**
  - EGC 203
  - (3 units)
- **Electronics Lab**
  - EGC 303L
  - (1 unit)
- **RTOS**
  - EGC 451
  - (3 units)
- **Microcontrollers**
  - EGC 280
  - (3 units)

Third Year

- **Lin. Alg. & Diff. Eq.**
  - MATH 250B
  - (3 units)
- **Fund. Phys. II**
  - PHYS 226, L
  - (4 units)
- **Fund. Phys. III**
  - PHYS 227, L
  - (4 units)
- **Fund. Phys. IV**
  - PHYS 228, L
  - (4 units)
- **Electr. Circ. Lab**
  - EGC 203L
  - (1 unit)
- **Electronics**
  - EGC 303
  - (3 units)
- **Electronics Lab**
  - EGC 303L
  - (1 unit)
- **RTOS**
  - EGC 451
  - (3 units)

Fourth Year

- **Math Structures I**
  - MATH 170A
  - (3 units)
- **Math Structures II**
  - MATH 170B
  - (3 units)
- **Modeling & Sim.**
  - EGC 401
  - (3 units)
- **Comp. Design**
  - EGC 381
  - (4 units)
- **Electronics**
  - EGC 383
  - (3 units)
- **Electronics Lab**
  - EGC 383L
  - (1 unit)
- **Design w/ Verilog**
  - EGC 446
  - (3 units)
- **Tech. Elective**
  - (3 units)

**General Ed.**

- See note 1
- (3 units)

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

* Computer Engineering Courses
* Electrical Engineering Courses
* Computer Science Courses
* Math Courses
* Liberal Arts Courses

[1] Select the 7 General Ed. courses from the following TDA Areas:

- For Catalog Year FA2021 and Beyond:
  - A.1, A.2, C.1, C.2*, C.3*, D.2, F, GRAD REQT
- Catalog Year FA2019 - SP2021:
  - A.1, A.2, C.1, C.2*, C.3*, D.2, D.3 + an additional C.1 or C.2 course
- Catalog Year FA2018 - SP2019:
  - A.1, A.2, C.1, C.2, C.3*, C.4*, D.2, D.3
- Catalog Year FA2015 - SP2018:
  - A.1, A.2, C.1, C.2, C.3, C.4*, D.3, D.4

* = select one course from this Area to double-count for Area Z