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)
- **Computer Struct.**
  - EGCP 180 (3 units)
- **Computer Engineering Courses**
- **Electrical Engineering Courses**
- **Computer Science Courses**
- **Math Courses**
- **Liberal Arts Courses**

Second Year
- **Intermed. Calc.**
  - MATH 250A (4 units)
- **Fund. Phys. I**
  - PHYS 225, L (4 units)
- **Data Structures**
  - CPSC 121A/L (3 units)
- **Design w/ VHDL**
  - EGCP 281 (2 units)
- **Computer Engineering Courses**
- **Electrical Engineering Courses**
- **Computer Science Courses**
- **Math Courses**
- **Liberal Arts Courses**

Third Year
- **Lin. Alg. & Diff. Eq.**
  - MATH 250B (4 units)
- **Fund. Phys. II**
  - PHYS 226, L (4 units)
- **Fund. Phys. III**
  - PHYS 227, L (4 units)
- **Electr. Circuits**
  - ELEE 203 (3 units)
- **Electronics**
  - ELEE 303 (3 units)
- **Electronics Lab**
  - ELEE 303L (1 unit)
- **RTOS**
  - EGCP 460 (3 units)
- **Microcontrollers**
  - EGCP 280 (3 units)
- **Computer Engineering Courses**
- **Electrical Engineering Courses**
- **Computer Science Courses**
- **Math Courses**
- **Liberal Arts Courses**

Fourth Year
- **Math Structures I**
  - MATH 170A (3 units)
- **Prob. Processes**
  - EGCP 440 (3 units)
- **Modeling & Sim.**
  - EGCP 371 (3 units)
- **Comp. Design**
  - EGCP 381 (4 units)
- **Adv. Electronics**
  - EGCP 441 (4 units)
- **Design w/ Verilog**
  - EGCP 446 (3 units)
- **Microcontrollers**
  - EGCP 280 (3 units)
- **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 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

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CpE BS Flowchart Rev. 5-31-2022