Computer Engineering B.S. Degree
2023-2024 Curriculum Chart

Major Qualification Policy
Complete 36 units of the highlighted courses by the end of 5th quarter with at least a 2.8 GPA and no more than seven credits of non-passing grades in those courses. You do not need to complete all highlighted classes for major declaration.

Concentrations (choose one)

System Programming
- CSE 130
- CSE 150
- One of the following:
  - CSE 111*
  - CSE 115A
  - CSE 134
- One of the following:
  - CSE 113
  - CSE 156/L
  - CSE 110A
- Elective**

Computer Systems
- CSE 130
- CSE 125*****
  - or
  - CSE 122****
- One of the following:
  - CSE 111*
  - CSE 115A
  - CSE 134
- Elective**

Networks
- CSE 150
- CSE 156/L
- Elective**

Digital Hardware
- CSE 125*****
- ECE 171/L
  - or
  - CSE 122****
- One of the following:
  - CSE 122 (if not satisfied above)
  - CSE 220
  - CSE 228A
  - ECE 171/L (if not satisfied above)
  - ECE 173***
- Elective
  - Can be chosen from the Computer Engineering Elective list or the approved Digital Hardware Grad-Level Course List

Capstone (choose one option)
- CSE 123A, 123B
  - Eng. Design I & II
- CSE129A, 129B & 129C
  - Capstone Project I, II, & III
- CSE 115A, 115B, & 115C
  - Software Design Project I, II, & III
- CSE 115A & 115D
  - Software Design Project (Accelerated)
- CSE 157^ Internet of Things
- ECE 118^ Intro to Mechatronics
- CSE 195^** Senior Thesis
  - * Satisfies the DC requirement

* CSE 111 will not be offered during the 2023-2024 Academic Year.
** Electives can be chosen from the Computer Engineering Elective list on the UA website.
*** ECE 173 requires the prerequisite ECE 174.
**** CSE 222A (with department approval).
***** CSE 225, Introduction to ASIC System Design, may be substituted for CSE 125 with department approval.

*These courses (CSE 157 & ECE 118) can NOT be used as elective and capstone. ** CSE 195 also requires the submission of an approved senior thesis.

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## Computer Engineering B.S. Degree
### 2023-2024 Curriculum Chart

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### Upper Division Electives
Please refer to the Undergraduate Advising website for the list of approved electives

- Computer Engineering Electives: [https://undergrad.soe.ucsc.edu/computer-engineering-electives-23-24](https://undergrad.soe.ucsc.edu/computer-engineering-electives-23-24)

### Notes:
- Baskin Engineering has different major declaration deadlines than the UCSC Academic/Administrative calendar. Our deadlines and process can be found on: [https://undergrad.soe.ucsc.edu/current-students/declare-your-major](https://undergrad.soe.ucsc.edu/current-students/declare-your-major)
- All students admitted to a Baskin Engineering major, or seeking admission to a major, must take all courses required for that major for a letter grade.
- Courses in which you receive a grade of C-, D+, D, or D- earn credit toward graduation, but cannot be used to satisfy a major requirement or a general education requirement, and cannot satisfy a prerequisite for another course.
- At most, only one elective upon prior approval may be substituted by an upper-division individual or field study (CSE/ECE 193 or 198). Approval is determined by the department via Course Substitution Petition.

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**Student Name:**

**Staff Advisor:**

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