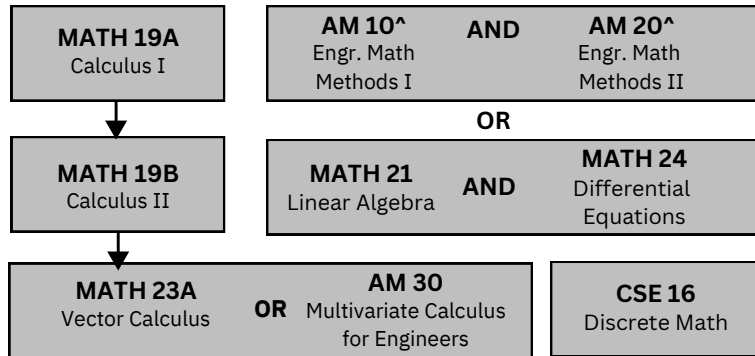


Network & Digital Technology B.A. Degree 2023-2024 Curriculum Chart

Math Courses

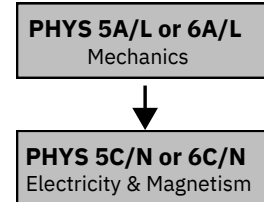


[^]AM 10 & 20 are strongly preferred. Students who complete MATH 21 & MATH 24 (or the equivalents) in lieu of AM 10 & 20 are strongly encouraged to take the MATLAB self-paced tutorial: <http://matlab-training.soe.ucsc.edu>.

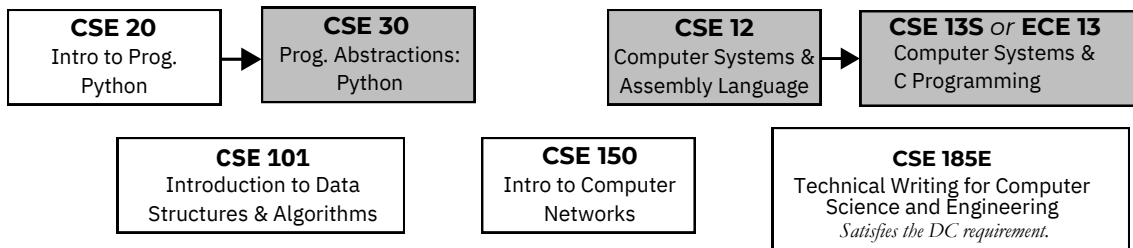
Major Qualification Policy

Complete 36 units of the highlighted courses by the end of 5th quarter with at least a 2.3 GPA. You do not need to complete all highlighted classes for major declaration.

Science Courses



Core Courses



Electives (choose four)**

Digital Technology for Networking Focus

- CSE 118** Mobile Applications
- CSE 151/L** Advanced Computer Networks and Laboratory
- CSE 156/L*** Network Programming and Laboratory
- CSE 157*** Internet of Things
- CSE 167** Mobile Sensing and Interaction
- CSE 183*** Web Applications

Internet Software Technology Focus

- CSE 115A*** Introduction to Software Engineering
- CSE 117** Open Source Programming
- CSE 130** Principles of Computer Systems Design
- CSE 165** Human-Computer Interaction
- CSE 180***** Database Systems I
- CSE 181*** Database Systems II
- CSE 182***** Introduction to Database Management Systems
- CSE 186** Full Stack Web Development I
- CSE 187*** Full Stack Web Development II

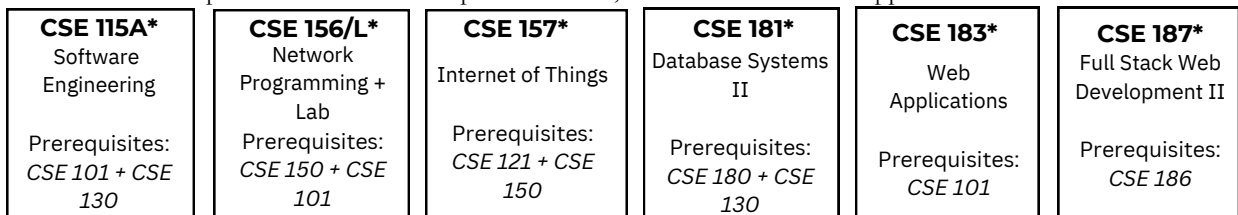
**Can NOT be used as elective and capstone.*

***Focuses are suggestions; any combination of 4 electives will satisfy the NDT elective requirement; the link to the full elective list is on the back.*

****Students may NOT receive credit for both CSE 180 and CSE 182.*

Capstone

Students must pass one of the below capstone courses, in addition to the four upper-division electives.



| Fall _____ | Winter _____ | Spring _____ | Summer _____ |
|------------|--------------|--------------|--------------|
| | | | |

| Fall _____ | Winter _____ | Spring _____ | Summer _____ |
|------------|--------------|--------------|--------------|
| | | | |

| Fall _____ | Winter _____ | Spring _____ | Summer _____ |
|------------|--------------|--------------|--------------|
| | | | |

| Fall _____ | Winter _____ | Spring _____ | Summer _____ |
|------------|--------------|--------------|--------------|
| | | | |

Upper Division Electives

Please refer to the Undergraduate Advising website for the list of approved electives

Network and Digital Technology Electives: <https://undergrad.soe.ucsc.edu/network-and-digital-technology-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>
- 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 may be substituted by an upper-division individual or field study (CSE, ECE 193 or 198) with approval. Approval is determined by the department via Course Substitution Petition.
- A single course may not satisfy multiple major requirements.

| |
|-------------------------------------|
| Student Name: Staff Advisor: |
|-------------------------------------|