

Network & Digital Technology B.A. Degree 2024-2025 Curriculum Chart

Math Courses

MATH 19A Calculus I Prerequisites: Math Placement score of 400 or more or Math 3	AM 10 Engr. Math Methods I Prerequisites: Math Placement score of 400 or higher or Math 3	MATH 21 Linear Algebra Prerequisites: Math 19A
MATH 19B Calculus II Prerequisites: Math 19A	AM 20 Engr. Math Methods II Prerequisites: Math 19B and AM 10	MATH 24 Differential Equations Prerequisites: Math 23A
CSE 16 Discrete Math Prerequisites: Math 19A or Math 19B	AM 30 Multivariate Calculus for Engineers Prerequisites: AM 10 or Math 21; Math 19B	MATH 23A Vector Calculus Prerequisites: Math 19B

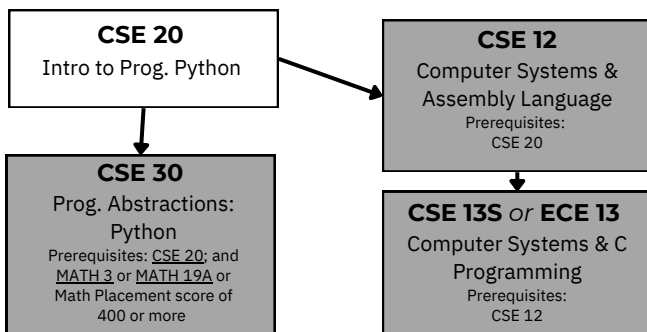
Major Qualification Policy

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

PHYS 5A/L or 6A/L Mechanics Prerequisites: Math 19A, and concurrent or previous enrollment in Math 19B
PHYS 5C/N or 6C/N Electricity & Magnetism Prerequisites: Phys 5A/L, Math 19A, Corequisite Math 19B

Lower Division Core Courses



Upper Division Core Courses

CSE 101 Introduction to Data Structures & Algorithms Prerequisites: CSE 12/L, CSE 16, CSE 13s, and CSE 30; Math 19B or 20B	CSE 150 Intro to Computer Networks Prerequisites: CSE 12 and CSE 16 and CSE 30
CSE 185E Technical Writing for Computer Science and Engineering <i>Satisfies the DC requirement.</i>	

Electives

Choose from Approved List of Upper Division Electives that can be found on the Undergraduate Engineering website:
<https://undergrad.engineering.ucsc.edu/curriculum-charts/>

1. _____
2. _____
3. _____
4. _____

Capstone (Choose one)

Your capstone can not count for both a capstone and an elective

CSE 115A Software Engineering Prerequisites: CSE 101 + CSE 130	CSE 156/L Network Programming + Lab Prerequisites: CSE 150 + CSE 101	CSE 157 Internet of Things Prerequisites: CSE 121 + CSE 150	CSE 180 Database Systems I Prerequisites: CSE 101	CSE 181 Database Systems II Prerequisites: CSE 180 + CSE 130	CSE 183 Web Applications Prerequisites: CSE 101	CSE 187 Full Stack Web Development II Prerequisites: CSE 186
--	---	--	--	--	--	---

Network & Digital Technology B.A. Degree 2024-2025 Curriculum Chart

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Note: The prerequisites listed on this curriculum chart are accurate as of August 15, 2024 according to UCSC's general catalog. Prerequisites listed on this chart are subject to change and students should refer to the catalog for the most up to date requirements.