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

MATH 19A Calculus I **MATH 19B** Calculus II

MATH 23A Vector Calculus or AM 30^ Multivariate

Calculus for

Engineers

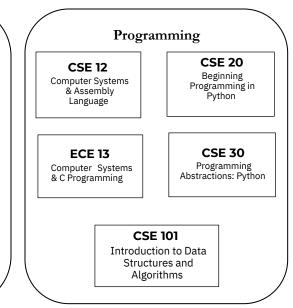
Math Courses CSE 107 CSE 16 Probability & Discrete Math Statistics **ECE 103/L** AM 10^ Signals & Engr. Math Systems Methods I **MATH 21** Linear Algebra **AM 20** Engr. Math Methods II ^Strongly recommended

ECE 9

Statics and

Mechanics of

Materials



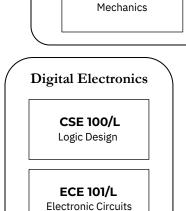
ECE 10

Fundamentals of

Robot Kinematics &

Dynamics

Electives



PHYS 5A/L



Robotics ECE 118 Intro to Mechatronics **ECE 167** Sensing & Sensor Technologies **ECE 141**

Science Courses

Advanced Robotics Elective* Elective** * Please refer to the UA website for the list of approved courses for the Adv. Feedback Control Robotics elective Systems **Please refer to the UA website for the list of approved courses for this elective requirement

PHYS 5C/N

Electricity &

Magnetism

Capstone (choose one option)# **ECE 129A** Capstone Project I ECE 129A, 129B, & 129C Capstone Project I, II, & III ECE 195 (10 credits) Senior Thesis Research

The Disciplinary Communication requirement (DC) is satisfied by completing one of the capstone options.

Exit Requirements https://engineering.ucsc.edu/departments/electrical-and-computer-engineering/robotics-engineering-bs-portfolio Portfolio 2. Exit Survey https://undergrad.soe.ucsc.edu/current-students/graduating-seniors/exit-survey Exit Interview

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

Fall	Winter	Spring	Summer
Fall	Winter	Spring	Summer
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Ell	W	e :	C
Fall	Winter	Spring	Summer
Fall	Winter	Spring	Summer

Notes:

- The School of 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/declare-your-major
- All students admitted to a School of 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.

Student Name:			
Staff Advisor:			