

# MESA ENGINEERING PROGRAM: SUPPORTING A NEW GENERATION OF ENGINEERING STUDENTS

**OUR MISSION** is to empower a diverse, brave generation of future engineers by fostering their bold talent and boundless ability.

**OUR PROGRAM** provides a variety of academic and personal support to encourage the success of engineering students who are first in their families to attend college, first to enroll in computer science or engineering studies, and are from historically underrepresented groups in STEM.

These students arrive at UC Santa Cruz to study engineering equipped with resiliency and ability in the face of obstacles such as inequitable STEM curricula in secondary education and an under-supply of diverse STEM mentors and peers. The MESA engineering program guides students on their path to success by understanding their lived experiences and holding space needed to help them achieve engineering degrees and realize their fullest potential.



## What we provide for MESA students in the Baskin Engineering community:

**COUNSELING** sessions to ensure students' academic success

**MENTORING** opportunities for all MESA students via alumni and peers

**ACADEMIC COURSES** such as the Math and Computer Programming Summer Program, allows students to make new connections before starting the academic year

**ACADEMIC SUPPORT** includes tutoring for upper-level engineering courses, a lending library for textbooks, and a MESA specific group study space

**DEVELOPMENT WORKSHOPS** offer exposure to content experts, industry leaders, and MESA staff

**PEER ENGAGEMENT** allows students to develop community, a sense of belonging, and build their engineering identity



## MESA ENGINEERING STUDENTS IN 2023-2024

**340** students in the MESA engineering program

**75%** are first-generation college students

**53%** identify as female

**57%** identify as Latinx

**6%** identify as Black

## PROGRAM GOALS

- Serve students from the moment they consider a UCSC engineering major to their entry into the workforce
- Encourage and assist students to matriculate in an engineering major
- Retain students, ensure student success, professional development, and sense of belonging while building their engineering identity along the way
- Increase graduation rates and workforce readiness of engineering students
- Grow the number of historically underrepresented groups in STEM fields and break down initial barriers to entry that many of these students face

## CONNECT WITH US

There is significant opportunity to both expand and increase the impact of MESA engineering program through serving more students and increasing the number of one-on-one high impact touch points.

### TO LEARN MORE

Visit [mesa.engineering.ucsc.edu](https://mesa.engineering.ucsc.edu)

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