INTRODUCTION TO THE MAJOR

Mechanical engineers serve society by solving problems in transportation, energy, the environment, and human health. The mechanical engineering profession encompasses numerous technical areas, and as a mechanical engineer, you’ll be finding solutions to the world’s most pressing issues.

We offer a major in Mechanical Engineering as well as a minor. Our undergraduate program is accredited by the Engineering Accreditation Commission of ABET, and attracts the best and brightest students to study with top-tier faculty. We are fully invested in preparing our future engineers to meet today’s challenges with creativity and innovation.

THE ME CURRICULUM

The Mechanical Engineering major provides students with a broad education emphasizing an excellent foundation in scientific and engineering fundamentals. We believe in the importance of enriching our rigorous curriculum with research opportunities, support services and team activities. The capstone of the program is the senior design experience, which assists in developing a deep understanding of the process.

AMPLIFY YOUR MAJOR

- Get involved with an Engineering student group such as Robobears, American Society of Mechanical Engineers or Pi Tau Sigma.
- Design and manufacture projects in the Student Machine Shop.
- Enrich your studies with the Sutardja Certificate in Entrepreneurship and Technology.
- Follow your major on Instagram, Facebook, and Youtube.

ME is full of uniquely amazing extracurricular and research opportunities...from contributing to groundbreaking research to building rockets or race cars on the weekends, the opportunities here are endless.

– Rebecca Bennett, Class of 2021
# MECHANICAL ENGINEERING

**Bachelor of Science**

## FIRST YEAR
- Meet with your ESS advisor to discuss your academic plan.
- Familiarize yourself with major and college requirements and the ME Curriculum Flowchart.
- Talk to a ME advisor about department programs and research opportunities.

## SECOND YEAR
- Meet with your ESS peer advisors about life in the major.
- Meet with your ESS advisor to discuss your academic progress and any challenges.
- Complete lower division prerequisites and start planning your upper division courses.
- Plan now if considering a double major, simultaneous degree, minor, or study abroad.

## THIRD YEAR
- Focus on upper division requirements and electives.
- Continue meeting with your ESS advisor to review your academic progress.
- Submit paperwork for a double major, simultaneous degree, minor, or study abroad.

## FOURTH YEAR
- Meet with your ESS advisor to do an official degree check and plan for your final year.
- Complete any “bucket list” courses and remaining major, college, and campus requirements.
- Complement your major with a certificate, course thread, or summer minor.

## Connect and build community

- Join a First Friday Coffee Chat with faculty.
- Take advantage of tutoring and workshops for Engineering students at the Center for Access to Engineering Excellence.
- Discover student opportunities in the ESS newsletter.
- Find study space and resources in the Kreage Engineering Library.

## Discover your passions

- Browse research taking place in Engineering centers, institutes, and labs.
- Visit the Office of Undergraduate Research and Scholarships.
- Discover new interests in a Freshman Seminar or student-run DeCal course.
- Broaden your perspective by attending Newton Series or View from the Top Lectures.

## Engage locally and globally

- Attend a build team, SAE, Battletech, and Calson competition.
- Attend the Calapalooza student activities fair and get involved with a student organization.
- Explore Engineering student organizations.
- Find service opportunities through the Public Service Center.

## Reflect and plan your future

- Visit the Career Center and Career Counseling Library.
- Check out the Career Center Yearly Planner. Sign up for Handshake and CareerMail.
- Explore career resources on the Engineering and ME websites.
- Attend an ESS workshop to create a resume and LinkedIn page.
- Meet with a Career Center counselor to discuss your career options and goals.
- Explore careers through GLOBE Ambassadors, winter externships, and Informational Interviews.
- Learn about graduate and professional school opportunities.
- Pursue an Internship and attend an Internship career fair.

## WHAT CAN I DO WITH MY MAJOR?

- The Mechanical Engineering major prepares students for employment or advanced studies with four primary constituencies: industry, the national laboratories, state and federal agencies, and academia (graduate research programs).

## Jobs and Employers

- Business Analyst, Amazon
- Engineer, Boeing
- Engineer, General Motors
- GIS Technician, Apex Systems Management Consulting Analyst, Accenture
- Mechanical Engineer, Lawrence Livermore National Labs
- Product Engineer, Lam Research Program Manager, Apple
- Manufacturing Engineer, ERG Aerospace
- Software Engineer, Cruise
- Tech. Product Support Engineer, Applied Materials
- Verification Engineer, AVS

## Graduate Programs

- Aerospace Engineering, Masters
- Biomedical Engineering, Masters
- Computer Science, Masters
- Electrical Engineering, Masters, PhD
- Geometry, PhD
- Materials Engineering, Masters, PhD
- Mechanical Engineering, Masters, PhD
- Medicine, MD
- Public Policy Analysis, Masters
- Systems Engineering, Masters

Examples gathered from the First Destination Survey of recent Berkeley graduates.

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