



Photo credit: Laura Vogt

CONNECT WITH US

Cal Day

Come to UC Berkeley's annual **Open House** in April for information sessions, campus tours, special talks, and more.

Golden Bear Orientation

Join your peers in the campus-wide UC Berkeley **orientation** program for all new students.

Events

Attend department events with students, faculty, and staff. Visit me.berkeley.edu for news and updates.

ADVISING

Visit Engineering Student Services in 230 Bechtel for advising on academic difficulty, change of major/double majors/simultaneous degrees, withdrawal/readmission, degree completion, education abroad, academic progress, and petitions and exceptions. See engineering.berkeley.edu/students/advising-counseling for more information.

For department-specific advising, visit the **ME Student Services Office** in 6193 Etcheverry Hall.

Office hours:

Monday-Wednesday, 9am-12pm, 1-4pm
Thursday 1-4pm
Friday 9am-12pm, 1-4pm

HOW TO USE THIS MAP

Use this map to help plan and guide your experience at UC Berkeley, including academic, co-curricular, and discovery opportunities. Everyone's Berkeley experience is different and activities in this map are suggestions. Always consult with your advisors whenever possible for new opportunities and updates.

Visit ue.berkeley.edu/majormaps for the latest version of this major map.

Berkeley

Mechanical Engineering
6193 Etcheverry Hall
Berkeley, CA 94720-1740
me.berkeley.edu

MECHANICAL ENGINEERING

Bachelor of Science

Berkeley
UNIVERSITY OF CALIFORNIA

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.



Photo credit: Matt Beardsley

“ *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 Bennet, Class of 2021

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**.

MECHANICAL ENGINEERING

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DESIGN YOUR JOURNEY

Berkeley
UNIVERSITY OF CALIFORNIA

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR	WHAT CAN I DO WITH MY MAJOR?
Explore your major	<p>Meet with your ESS advisor to discuss your academic plans.</p> <p>Familiarize yourself with major and college requirements and the ME Curriculum Flowchart.</p> <p>Talk to a ME advisor about department programs and research opportunities.</p> <p>Enroll in ENGIN 98: The Insider's Guide to Berkeley Engineering.</p>	<p>Talk to ESS peer advisors about life in the major.</p> <p>Meet with your ESS advisor to discuss your academic progress and any challenges.</p> <p>Complete lower division prerequisites and start planning your upper division courses.</p> <p>Plan now if considering a double major, simultaneous degree, minor, or study abroad.</p>	<p>Focus on upper division requirements and electives.</p> <p>Continue meeting with your ESS advisor to review your academic progress.</p> <p>Submit paperwork for a double major, simultaneous degree, minor, or study abroad.</p>	<p>Meet with your ESS advisor to do an official degree check and plan for your final year.</p> <p>Complete any "bucket list" courses and remaining major, college, and campus requirements.</p> <p>Complement your major with a certificate, course thread, or summer minor.</p>	<p>WHAT CAN I DO WITH MY MAJOR?</p> <p>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).</p> <p>Jobs and Employers</p> <p>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</p> <p>Graduate Programs</p> <p>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</p> <p>Examples gathered from the First Destination Survey of recent Berkeley graduates.</p>
Connect and build community	<p>Join a First Friday Coffee Chat with faculty.</p> <p>Take advantage of tutoring and workshops for Engineering students at the Center for Access to Engineering Excellence.</p> <p>Discover student opportunities in the ESS newsletter.</p> <p>Find study space and resources in the Kresge Engineering Library.</p>	<p>Join an Engineering or ME student group, such as the American Society of Mechanical Engineers.</p> <p>Sign up for the ME email list and start attending department events.</p> <p>Get to know Engineering professors and graduate student instructors in office hours.</p> <p>Continue attending tutoring and workshops, and reading the weekly ESS newsletter.</p>	<p>Give back by becoming an ESS peer advisor.</p> <p>Join the Berkeley Engineering group on LinkedIn.</p> <p>Explore student groups outside of Engineering, or deepen your involvement with an Engineering student group.</p> <p>Check out Formula SAE, CALSOL, Cal Super Mileage and Pi Tau Sigma, the Mechanical Engineering Honor Society.</p>	<p>Join a professional association related to your interests.</p> <p>Continue attending tutoring and workshops, and reading the weekly ESS newsletter.</p> <p>Connect with alumni groups and leverage your network as you prepare to graduate.</p>	
Discover your passions	<p>Browse research taking place in Engineering centers, institutes, and labs.</p> <p>Visit the Office of Undergraduate Research and Scholarships.</p> <p>Discover new interests in a Freshman Seminar or student-run DeCal course.</p> <p>Broaden your perspective by attending Newton Series or View from the Top lectures.</p>	<p>Consider pursuing a research opportunity for Engineering and ME students.</p> <p>Look through the ME Faculty's research interests.</p> <p>Apply to a REU research program. Check Berkeley Lab and Beehive for more research options.</p> <p>Design and manufacture engineering projects in the Student Machine Shop.</p>	<p>Apply for a research opportunity if you haven't done so already.</p> <p>Check out design and maker opportunities at the Jacobs Institute.</p> <p>Explore entrepreneurship through the Sutardja Center and Skydeck.</p> <p>Consider earning the Sutardja Certificate in Entrepreneurship and Technology.</p>	<p>Teach your own DeCal course.</p> <p>Consider being an instructor for ENGIN 98.</p> <p>Continue to pursue your interests through a fellowship or gap year after graduation.</p> <p>Choose your post-baccalaureate plans based upon your intended mission and impact as an Engineer.</p>	
Engage locally and globally	<p>Attend a build team SAE, Battlebot, and Calsol competition.</p> <p>Attend the Calpalooza student activities fair and get involved with a student organization.</p> <p>Explore Engineering student organizations.</p> <p>Find service opportunities through the Public Service Center.</p>	<p>Contribute to a community organization in an American Cultures Engaged Scholarship course such as ENGIN 157AC.</p> <p>Explore study, internship, and research abroad options with Berkeley Study Abroad. Consider a Berkeley Global Internship.</p> <p>Mentor local youth with Pioneers in Engineering or Berkeley Engineers and Mentors.</p>	<p>Learn how to be an ethical and inclusive global leader through the LeaderShape Institute.</p> <p>Experience life at another UC or college on a visitor and exchange program.</p> <p>Study and intern in Washington D.C. with UCDC or Cal in the Capital.</p>	<p>Serve as a student representative on a college committee.</p> <p>Hone your leadership skills with the Peter E. Haas Public Service Leaders program.</p> <p>Explore service opportunities after graduation, such as Peace Corps, Teach for America, or U.S. Department of State.</p>	
Reflect and plan your future	<p>Visit Berkeley Career Engagement and the Career Counseling Library.</p> <p>Check out the Berkeley Career Engagement Yearly Planner. Sign up for Handshake and CareerMail.</p> <p>Explore career resources on the Engineering and ME websites.</p> <p>Attend an ESS workshop to create a resume and LinkedIn page.</p>	<p>Discuss career options and goals with a Career Educator.</p> <p>Explore careers through GLOBE Ambassadors, winter externships, and informational interviews.</p> <p>Learn about graduate and professional school.</p> <p>Pursue an internship and attend an internship career fair.</p>	<p>Attend career and graduate school fairs such as the STEM Career & Internship Fair.</p> <p>Discuss graduate school options with advisors and professors. Make an advising appointment in ESS to explore a 5th year MS, MEng, or PhD.</p> <p>Sign up for an ESS career workshop, networking dinner, speaker series, or career conference.</p>	<p>Ask professors and graduate student instructors for recommendation letters.</p> <p>Utilize job board tools in your job search.</p> <p>Go to Employer Info Sessions and On-Campus Recruiting and attend the job offer negotiation workshop.</p> <p>Apply to jobs, graduate school, and other opportunities.</p>	