



Photo credit: MSE Department

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 mse.berkeley.edu for news and updates.

ADVISING

For department-specific advising, including course equivalencies, exceptions, and enrollments, contact the MSE undergraduate adviser at medinakohzad@berkeley.edu. Students are also encouraged to meet with an MSE faculty advisor and discuss their program progress, research opportunities, and career plans. See mse.berkeley.edu/advising/.

Visit Engineering Student Services in 230 Bechtel for advising on degree requirements and completion, academic progress, petitions and exceptions, academic difficulty, change of major/joint majors/simultaneous degrees, cancellations/withdrawals/readmission, and education abroad. See engineering.berkeley.edu/students/ess-advising/.

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 Materials Science & Engineering

Materials Science and Engineering
210 Hearst Memorial Mining Building
Berkeley, CA 94720-1760
mse.berkeley.edu

MATERIALS SCIENCE AND ENGINEERING

Bachelor of Science

Berkeley
UNIVERSITY OF CALIFORNIA

INTRODUCTION TO THE MAJOR

Materials Science and Engineering (MSE) encompasses all natural and synthetic materials – their extraction, synthesis, processing, properties, characterization, and development for technological applications. Materials Engineers are involved in every aspect of technology, ranging from the design of materials for use in consumer electronics, medical and healthcare applications, energy generation and storage, transportation (from vehicles to bridges), and beyond. MSE teaches core fundamentals while preparing students to solve modern-day materials challenges. Students can also become involved in cutting-edge research in one of the many faculty-led research groups. The MSE program is ABET accredited.



Photo credit: Elena Zhukova

“ I love the way Materials Science and Engineering is so directly relevant to understanding the world around me and consequently essential to solving so many of the world's problems. ”

– Avni Singhal

WITHOUT MATERIALS, THERE IS NO ENGINEERING

The curriculum provides a strong foundation in the science and engineering of materials, leveraging both classroom and hands-on laboratory experiences, while offering you freedom to explore areas of your choice.

Students can also pursue joint majors, hybrids of MSE and other majors for a single degree, offered with many other departments.

Students may also opt for a combined Bachelor of Science/Master of Science with a fifth year of research and classroom intensive graduate study that prepares students for careers in engineering, engineering management, government, and/or industrial sectors.

AMPLIFY YOUR MAJOR

- Engage in undergraduate research with world-leading faculty or scientists at the **Lawrence Berkeley National Laboratory**.
- Get involved with the **Materials Science Engineering Association**.
- Learn about technology innovation abroad with **GLOBE Ambassadors**.
- Consider a MSE **joint major** or 5th year **BS/MS degree**.

MATERIALS SCIENCE AND ENGINEERING

Bachelor of Science

DESIGN YOUR JOURNEY

