

Berkeley Engineering

GRADUATE PROGRAMS AT-A-GLANCE

Educating Leaders
Creating Knowledge
Serving Society

HOW WE RANK

Berkeley Engineering is among the top engineering programs in the nation as ranked by *U.S. News & World Report*.

GRADUATE ENGINEERING RANKED #3 (2023)

- 1st Civil engineering
- 1st Computer science
- 1st Environmental engineering
- 2nd Chemical engineering *
- 2nd Computer engineering
- 2nd Electrical engineering
- 2nd Materials engineering
- 3rd Industrial engineering
- 3rd Mechanical engineering
- 3rd Nuclear engineering
- 4th Bioengineering

UNDERGRADUATE ENGINEERING RANKED #3 (2023)

- 1st Civil engineering
- 1st Computer science
- 1st Environmental engineering
- 3rd Computer engineering
- 3rd Electrical engineering
- 3rd Materials engineering
- 4th Chemical engineering *
- 5th Mechanical engineering
- 6th Industrial engineering
- 7th Bioengineering
- 16th Aerospace engineering (launched fall 2022)

* Offered through the College of Chemistry

Engineering science/engineering physics undergraduate programs last ranked by *USN&WR* in 2016; nuclear engineering last ranked in 2004.



OUR GRADUATE ENGINEERING STUDENTS

Fall 2022

- 1,180 Ph.D.
- 1,342 Master's and professional master's
- 34% Women
- 8% Underrepresented
- 55% International

OUR FACULTY

242 faculty

- 74 National Academy of Engineering
- 6 Turing Award recipients
- 33% New women faculty hires in 2022
- 107 Endowed chairs and distinguished faculty
- 1,979 Inventions by Berkeley Engineering researchers
- 26 Distinguished Teaching Awards

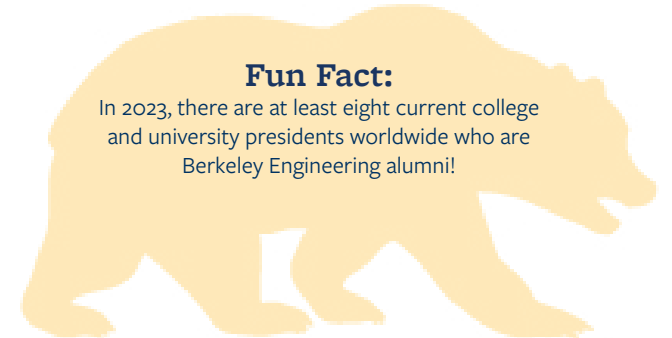
OUR ALUMNI

79,178 undergrad and graduate

- 117 Countries
- 178 National Academy of Engineering
- 9,792 Ph.D.
- 23,207 Master's
- 5,282 Professional master's

Fun Fact:

In 2023, there are at least eight current college and university presidents worldwide who are Berkeley Engineering alumni!



PROFESSIONAL MASTER'S PROGRAMS

engineering.berkeley.edu/pro-masters

Master of Advanced Study in Engineering | New fall 2024, online

mas-e.engineering.berkeley.edu

Choose from five interdisciplinary engineering domains: infrastructure systems, biomedical and biomechanical engineering, data analysis, advanced manufacturing, and electrical, power, and autonomous systems. Complete the 24-unit MAS-E degree at your own pace: in nine months full-time or 1.5-4 years part-time.

Master of Analytics | In-person

analytics.berkeley.edu

An 11-month program with a summer internship that prepares students in data-driven analytical methods and tools for optimization, statistics, simulation and risk management with relevant industry context.

Master of Development Engineering | In-person

developmentengineering.berkeley.edu

The three-semester program integrates engineering, economics, business, natural resource development and social sciences to develop, implement and evaluate technological interventions that address the needs of low-income communities around the world. Offered by the Blum Center for Developing Economies.

Master of Design | In-person

design.berkeley.edu

An interdisciplinary three-semester program in design for emerging technologies that connects technical rigor, design theory and social practice and prepares students for a broad range of creative and technical roles. Offered by the College of Engineering and the College of Environmental Design.

“The Berkeley MEng program taught me to be independent, which made me more confident about controlling and guiding my career path.”

Tiffany Tao, MEng '20 (ME)



Master of Engineering | In-person

meng.berkeley.edu | ✉ MEng_funginstitute@berkeley.edu

A two-semester program combining engineering, business and leadership curricula with capstone projects in a chosen technical concentration. MEng degrees are offered through all seven engineering departments: Bioengineering, Civil and Environmental Engineering, Electrical Engineering and Computer Sciences, Industrial Engineering and Operations Research, Materials Science and Engineering, Mechanical Engineering and Nuclear Engineering.

Master of Engineering/Master of Business Administration In-person

engineering.berkeley.edu/mba-meng

A four-semester program designed to prepare students to become leaders in technological innovation. Offered by the Haas School of Business and the College of Engineering.

Master of Molecular Science and Software Engineering | Online

msse.berkeley.edu

A two-semester, full-time program that prepares students for careers in computational science, data science, machine learning and software engineering. The program trains students with backgrounds in chemistry, physics, biology and computer science.

Master of Translational Medicine | In-person

uctranslationalmedicine.org

A 10-month program that trains students in the technical, business, and clinical aspects of bringing new medical technology from concept to clinical use. Offered in collaboration with UCSF.



RESEARCH OPPORTUNITIES

engineering.berkeley.edu/research-centers

Berkeley Engineering's research centers, institutes and labs promote cross-disciplinary collaboration to magnify impact on global challenges. Here, our faculty interact with industry colleagues and provide students with advanced training in cutting-edge fields.

Accelerators and Incubators

Bakar Labs
Berkeley SkyDeck
Blockchain Xcelerator
Cal Hacks Fellowship
California Institute for Quantitative Biosciences (QB3)
CITRIS Foundry
Energy and Biosciences Institute Entrepreneurial Business Incubator (EBI2)
SCET – Summer Venture Lab
StEP

Alumni Networks

BearX
Berkeley Innovators
Cal Alumni Association
CalFounders
Career Center
UCB Startup Fair
YC Co-Founder Matching @ SCET

Community

Berkeley Changemaker
Berkeley Discovery
Innovation and Entrepreneurship Council

Competitions

Big Ideas Contest
Cal Hacks
Collider Cup
FastTracking Founders Program
Nuclear Innovation Bootcamp
Venture Capital Investment Competition

Inclusion

Design Scholars Program
EDGE in Tech Initiative at U.C.
Funding to Black and Latinx Founders
Inclusive Innovation Equitable Entrepreneurship
Tory Burch Fellowship

Labs, Space and Prototyping

Berkeley Startup Cluster
Biomolecular Nanotechnology Center
CITRIS Invention Lab
Jacobs Institute for Design Innovation
Marvell Nanolab
ME Student Machine Shop
QB3 Cell and Tissue Analysis Facility
QB3 High-Throughput Screening Facility

New Venture Services

Berkeley Master of Design
Blum Center Social Innovator OnRamp
Fung Fellowship
Fung Institute for Engineering Leadership
Learn2Launch
Management, Entrepreneurship and Technology Program
Master of Engineering program
Neurotech Collider Lab
SkyDeck ACE Intern Program
Sutardja Center for Entrepreneurship and Technology

ADMISSIONS

engineering.berkeley.edu/grad-admissions

You can submit your application for fall admission beginning in September. The majority of deadlines are in December but check your specific program. Learn more about the process of applying to graduate school; engineering.berkeley.edu/grad-outreach.

Our graduate students all receive a rigorous, interdisciplinary, globally aware education. Programs vary in units, completion time and requirements:

	Professional Master's	MS	Ph.D.
Units	25-29	25-50	--
Time to complete	2-3 semesters	~2 years	5-6+ years
Type of degree	Professional	Academic	Academic
Key requirement	Experiential capstone project or internship	Thesis paper	Dissertation
Ideal for	Working in leadership and management roles in industry	Leads to Ph.D.; careers in research or industry	Careers in research or academia



MYTHS VS FACTS

“I need a master’s degree before I can apply to a Ph.D. program.”

Not true! You can apply to a Ph.D. program with a bachelor’s, as well as a master’s degree.

“GRE scores are required for graduate admissions.”

Most of our programs have eliminated the GRE, but check the department website to confirm.

“Statement of purpose and personal statement are the same essay.”

The statement of purpose should convince readers – the faculty on the selection committee – that you have solid achievements behind you that show promise for your success in graduate study. The personal statement provides a sense of you as a person. This is a good place to display your communication skills and discuss your ability to maximize effective collaboration.

“A Ph.D. is only for those who want to be professors.”

Although many of our Ph.D. graduates go on to careers as professors, many have skill sets that are highly valued across fields. Our alumni work in R&D labs in the private sector and at the National Laboratories. They join consulting firms, public policy institutes and private industry, to name just a few examples.

“Research/academia are the main career paths for those with graduate degrees in STEM.”

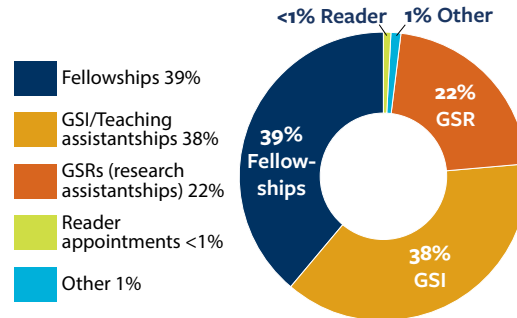
While advanced degrees can certainly prepare individuals for these paths, they also open doors to various other career options. STEM graduates are in demand in industries such as technology, healthcare, finance, data science, consulting, and many others.

FUNDING

grad.berkeley.edu

The process of obtaining your graduate degree at Berkeley is exciting and challenging. Funding that process should not be hard. Many options are available to help you pay for grad school.

Sources of financial support for doctoral students



Other campus funding opportunities

A comprehensive list of fellowship and funding opportunities can be found at engineering.berkeley.edu/ucb-grad-fellowships.

- Conference travel grants
- Parent/Caregiver grants
- Research grants/fellowships (from institutes, centers and others)
- Training grant programs
- Check with your program for degree-specific funding awards

External funding opportunities

The following programs are potential sources of additional support:

- National Science Foundation (NSF)
- Veterans Yellow Ribbon Program
- The Gates Millennium Scholars Program
- The GEM Fellowship Program
- The Fulbright Program
- Leo S. Rowe Pan American Fund Program
- The Mastercard Foundation Scholars Program

RESOURCES

Office for Graduate Diversity

grad.berkeley.edu/graduate-diversity/

The Office for Graduate Diversity is a comprehensive resource offering support throughout the admissions process, academic journey, financial planning, and career growth, while fostering a supportive community and enriching educational initiatives for underrepresented students.

International student support

internationaloffice.berkeley.edu

International students make up more than half of Berkeley Engineering’s graduate population, and our program staff are here to support them. In addition, the Berkeley International Office has resources to support the 6,000 international students across campus.

Professional development

grad.berkeley.edu/professional-development

GradPro helps Berkeley graduate students develop their skills, succeed in their programs and launch their careers. They help graduate students explore and prepare for the full range of diverse careers available to them, within and beyond academia.

Student organizations

engineering.berkeley.edu/teams

Berkeley Engineering has numerous graduate student organizations that help members hone teamwork and leadership skills, foster a diverse community, provide cultural support and give students the opportunity to pursue something they’re passionate about. Learn more on the team’s webpage.

Wellness

engineering.berkeley.edu/wellness

UC Berkeley and the College of Engineering put our students’ mental wellness front and center. Services and programs include dedicated College of Engineering counselors from the Tang Center Counseling and Psychological Services (CAPS) team who provide free and confidential consultations related to personal and professional concerns.

LOCATION

With access to top experts, national labs, entrepreneurs and cutting-edge industries in Silicon Valley, our campus is a hub of discovery and impact. Our wide range of multidisciplinary research centers, museums and institutes foster constant collaboration and innovation.



Berkeley Engineering

CONTACTS

Engineering Graduate
Student Services
essgrad@berkeley.edu

UC Berkeley
Graduate Division
grad.berkeley.edu

UC Berkeley
Visitor Services
visit.berkeley.edu

COLLEGE OF ENGINEERING
UNIVERSITY OF CALIFORNIA, BERKELEY

engineering.berkeley.edu

An accessible version of this information is available
online at engineering.berkeley.edu/facts.

