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 (2022)

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 (2022)

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)

OUR GRADUATE ENGINEERING STUDENTS

Fall 2022

<table>
<thead>
<tr>
<th>Program</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ph.D.</td>
<td>1,180</td>
</tr>
<tr>
<td>Master’s and professional master’s</td>
<td>1,342</td>
</tr>
<tr>
<td>Women</td>
<td>34%</td>
</tr>
<tr>
<td>Underrepresented</td>
<td>8%</td>
</tr>
<tr>
<td>International</td>
<td>55%</td>
</tr>
</tbody>
</table>

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!

* 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.
MASTER OF SCIENCE AND DOCTORAL PROGRAMS
engineering.berkeley.edu/grad-programs

Applied Science and Technology
ast.berkeley.edu | msessa@berkeley.edu
Degrees offered: Ph.D.
Applied Science and Technology focuses on studies involving the application of physical and mathematical techniques to emerging areas within the physical and life sciences.

Bioengineering
bioeng.berkeley.edu | bioeng@berkeley.edu
Degrees offered: Ph.D.
Bioengineering pursues research and educational programs that open new areas of scientific inquiry and drive transformational technologies.

Civil and Environmental Engineering
ce.berkeley.edu/grad | MS or Ph.D.: aao@ce.berkeley.edu
Degrees offered: MS, Ph.D.
Civil and Environmental Engineering conducts cutting-edge research that addresses societal needs for well-designed and well-operated buildings, energy, transportation and water systems.

Electrical Engineering and Computer Sciences
eecs.berkeley.edu/academics/graduate | MS or Ph.D.: gradadmissions@eecs.berkeley.edu
Degrees offered: MS, Ph.D.
Electrical Engineering and Computer Sciences works at the leading edge of information science and technology with a broad impact on society.

Industrial Engineering and Operations Research
ieor.berkeley.edu/academics | MS or Ph.D.: gradadmissions-ieror@berkeley.edu
Degrees offered: MS, Ph.D.
Industrial Engineering and Operations Research pushes the frontiers of optimization, stochastics and data science, supply chains, healthcare, energy, robotics, finance and risk management.

Materials Science and Engineering
mse.berkeley.edu/graduate-admissions | MS or Ph.D.: mse@berkeley.edu
Degrees offered: MS, Ph.D.
Materials Science and Engineering works with all-natural and synthetic materials — their extraction, synthesis, processing, properties, characterization and development for technological applications.

Mechanical Engineering
me.berkeley.edu/graduate | MS or Ph.D.: yawo@me.berkeley.edu
Degrees offered: MS, Ph.D.
Mechanical Engineering spans all areas of energy production and transfer, as well as system design and control. Our faculty’s research projects include robotics, biomaterials and control of both ground vehicles and aircraft.

Nuclear Engineering
nuc.berkeley.edu/graduate-programs | kirstenw@berkeley.edu
Degrees offered: MS, Ph.D.
Nuclear Engineering faculty are conducting research in fields like energy systems and the environment; fission reactor analysis; fuel cycles and radioactive waste; nuclear thermal hydraulics; and risk.
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.

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
mss@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.

“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)
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
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:

<table>
<thead>
<tr>
<th>Professional Master’s</th>
<th>MS</th>
<th>Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Units</td>
<td>25-29</td>
<td>25-50</td>
</tr>
<tr>
<td>Time to complete</td>
<td>2-3 semesters</td>
<td>1-2 years</td>
</tr>
<tr>
<td>Type of degree</td>
<td>Professional</td>
<td>Academic</td>
</tr>
<tr>
<td>Key requirement</td>
<td>Experiential capstone project or internship</td>
<td>Thesis paper</td>
</tr>
<tr>
<td>Ideal for</td>
<td>Working in leadership and management roles in industry</td>
<td>Leads to Ph.D.; careers in research or industry</td>
</tr>
</tbody>
</table>
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**

- Fellowships 39%
- GSI/Teaching assistantships 38%
- GSRs (research assistantships) 22%
- Reader appointments <=1%
- Other 1%

### Other campus funding opportunities

A comprehensive list of fellowship and funding opportunities can be found at [engineering.berkeley.edu/uclb-grad-fellowships](http://engineering.berkeley.edu/uclb-grad-fellowships).

- Conference travel grants
- Parent/Caregiver grants
- Research grants/fellowships
- 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

### Office for Graduate Diversity

[grad.berkeley.edu/graduate-diversity/](http://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](http://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](http://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](http://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 are passionate about. Learn more on the team’s webpage.

### Wellness

[engineering.berkeley.edu/wellness](http://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.
Berkeley Engineering

CONTACTS

Engineering Graduate Student Services
essgrad@berkeley.edu

UC Berkeley Graduate Division
grad.berkeley.edu

UC Berkeley Visitor Services
visit.berkeley.edu

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