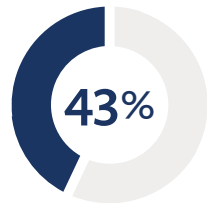


Join the Berkeley MEng Network

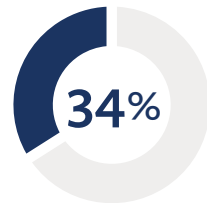
Class Profile

Approximate Cohort Size **425**

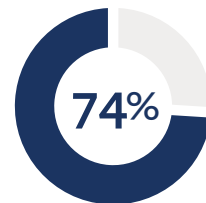
23 Average Age



Receive Grants



Female



International

Alumni

1600+ MEng Alumni

6 Forbes or Inc 30 Under 30

30+ Companies Founded

Full-Time Two Semester Program

EARLY AUGUST BOOT CAMP:
Engineering Leadership: R&D Technology Management & Organization Behavior (2 units)

FALL SEMESTER: 12 units total
Technical Elective 1 (3-4 units)
Technical Elective 2 (3-4 units)
Capstone Project (1-2 units)
Communications for Engineering Leaders: Self (1 unit)
Project Management & Teaming (1 unit)

EARLY JANUARY BOOT CAMP:
Engineering Leadership: 2 electives (2 units)

SPRING SEMESTER: 13 units total
Technical Elective 3 (3-4 units)
Technical Elective 4 (3-4 units)
Capstone Project (3-4 units)
Communications for Engineering Leaders: Team (1 unit)
Coaching for High Performing Teams (1 unit)

*Course offerings and class profile subject to change.

The Capstone Experience

DODURA: INTERNET OPTIMIZATION FOR DENSE URBAN AREAS

DODURA uses traffic modeling and data science to model and understand consumer demand for high bandwidth internet data in densely-populated, underserved urban areas.



LOW COST HIV MONITORING

A capstone team developed a point-of-care microfluidic device for rapid and economically sustainable HIV monitoring in both developed and emerging markets.

OSCILLATING WIND POWERED DEVICE

A capstone team developed a non-turbine wind power device that is viable in community areas and safe for avian life.



Berkeley MEng

MASTER OF ENGINEERING PROGRAM

ACCELERATE YOUR CAREER WITH TECHNICAL & LEADERSHIP DEVELOPMENT



PHOTOS: MATT BEARDSLEY, NOAH BERGER, ADRIEL OLIVOS, GOLNAZ SHAHINRIZADI, JAMES WANG / 2019





ENGINEERING LEADERSHIP EDUCATION MODEL

LEADERSHIP DEVELOPMENT

CORE LEADERSHIP COURSES

Gain the broad set of management, leadership and communication skills you need to lead technology ventures. Analyze real business situations through case study topics such as negotiations, R&D, technology management, product management, and entrepreneurship.

COMMUNICATIONS FOR ENGINEERING LEADERS

Improve your technical presentation and writing skills and learn how to connect with a variety of stakeholders crucial to your project's success: engineers, scientists, entrepreneurs, funders and trendsetters.

CAPSTONE EXPERIENCE

Your team capstone project brings together real world engineering and business challenges to develop a solution that meets an industry, market or social need and integrates your leadership curriculum with technical coursework.

LEARN MORE:

↑ MENG.BERKELEY.EDU

Admissions Requirements
Alumni Employment Report
Capstone Project Profile
Alumni Stories

TECHNICAL DEPTH ENGINEERING DEPARTMENTS

The College of Engineering offers a variety of technical concentrations in which students gain hands-on knowledge of new and emerging technologies.

BIOENGINEERING

General Bioengineering
Biomedical Engineering Design
Biomedical Imaging
Biomaterials and Devices
Mechanobiology
Bioinformatics and Computational Biology
Synthetic Biology

CIVIL & ENVIRONMENTAL ENGINEERING

Large Cyber-Physical Systems
Intelligent Transportation Systems

ELECTRICAL ENGINEERING & COMPUTER SCIENCES

Data Science and Systems
Physical Electronics and Integrated Circuits
Robotics and Embedded Software
Signal Processing and Communications
Visual Computing and Computer Graphics

INDUSTRIAL ENGINEERING & OPERATIONS RESEARCH

FinTech
Management Science and Engineering:
Decision Analytics
Data Analytics and Machine Learning
Operations Research
Supply Chain and Logistics Management
Modeling and Simulation

MATERIALS SCIENCE & ENGINEERING

Materials for Advanced Energy Systems
Advanced Structural Materials
Advances in Opto-Electronic Materials

MECHANICAL ENGINEERING

Advanced Energy Technology
Biomechanics
Control of Robotic and Autonomous Systems
Fluids and Oceans
MEMS/Nano
Mechanics and Dynamics
Modeling and Simulation of Advanced Manufacturing Processes
Product Design

NUCLEAR ENGINEERING

Nuclear Reactors Design, Management, and Infrastructure
Applied Nuclear Science and Radiation Detection
Nuclear Materials and Manufacturing
Medical Physics

“The decision to choose the MEng program changed my life. In one year, I saw myself grow not only as a skilled engineer, but also as a woman who is confident to have a voice in the tech world. I would have never imagined myself working in Silicon Valley at the edge of technology, and I owe it all to the MEng program.”

— NADA ALAMEDDINE, MEng '16 (ME),
Vehicle Design Engineer at NIO,
autonomous automobile manufacturer



CAREER ACCELERATION

CAREER PLANNING & DESIGN

Get involved early and expand your professional aptitude through skill building workshops and individualized career coaching.

CAREER NAVIGATION

Prepare for your future by engaging with us to uncover resources and programming to assist in your career exploration.

CURATED NETWORKING EVENTS

Access to special events designed to let you reach out to our international alumni network, Silicon Valley employers and startup ecosystem.

*See meng.berkeley.edu to learn about current concentrations offered.