



# BOULDER ENGINEERING



University of Colorado **Boulder**





# ENGINEERED TO BE DIFFERENT.

Here at CU Boulder, our top-ranked engineering program is unlike any other: **customized education, collaborative community** and partnerships with **federal labs** all located right here in one of the **nation's top tech cities**. And best of all, our supportive community of engineers works together to ensure each of us reaches our potential to make our goals a reality.

[colorado.edu/engineering](https://colorado.edu/engineering)

**#2**

Best city for  
entrepreneurs  
& startups  
Crowdspring, 2020

**TOP 20**

Public U.S. university  
for engineering  
*U.S. News & World  
Report, 2022*

**1,000+**

Different combinations  
of majors, minors  
and certificates  
in the College  
of Engineering

## ENGINEERED TO BE SUCCESSFUL.

Our students gain a hands-on education at a Tier 1 research university. They also have the flexibility to customize their education to meet their needs, interests and career goals. Students can create their own path by mixing majors, minors, certificates and electives in business, art and technology, entrepreneurship, teaching, and global engineering. This is why our students can proudly say they are well-rounded engineers.

[colorado.edu/engineering/academics](https://colorado.edu/engineering/academics)



All engineering students are eligible to apply for scholarships

[colorado.edu/engineering/admissions/financial-resources](https://colorado.edu/engineering/admissions/financial-resources)



Our career prep program, ProReady, helps develop well-rounded engineers with a defined career plan and path

[colorado.edu/engineering/proready](https://colorado.edu/engineering/proready)



All students have access to the Student Success Center tutoring and academic coaching

[colorado.edu/engineering-advising/academiccoaching](https://colorado.edu/engineering-advising/academiccoaching)

## Majors

Aerospace Engineering  
Applied Mathematics  
Architectural Engineering  
Biomedical Engineering  
Chemical Engineering  
Chemical and Biological Engineering  
Civil Engineering  
Computer Science, BA

Computer Science, BS  
Creative Technology and Design  
Electrical and Computer Engineering  
Electrical Engineering  
Engineering Physics  
Engineering Plus  
Environmental Engineering  
Mechanical Engineering

## Minors

Architectural Engineering  
Biomedical Engineering  
Civil Engineering  
Computer Engineering  
Computer Science  
Creative Technology and Design

Electrical Engineering  
Energy Engineering  
Engineering Entrepreneurship  
Global Engineering  
Signals and Systems

## Undergraduate certificates

Engineering Leadership  
Engineering Management  
Engineering, Ethics and Society  
Lighting Design

## Majors in partnership with colleges across Colorado

Colorado Mesa University  
Civil Engineering  
Electrical and Computer Engineering  
Mechanical Engineering  
Western Colorado University  
Computer Science  
Mechanical Engineering



## Engineering Plus (e+)

Design your own degree by exploring subjects outside of engineering. Zayna Pieper customized her education with an Engineering Plus degree in mechanical engineering and a concentration in engineering management, involvement with Engineers Without Borders and a New Venture Challenge win.

[colorado.edu/eplu](https://colorado.edu/eplu)



## ENGINEERED TO BE TOGETHER.

Our students are able to be their best among the best because our collaborative community of engineers recognizes that we do our best work together. Students, staff and faculty work collectively in and out of the classroom to create a strong sense of belonging while helping each other along their engineering paths. In our college, we truly appreciate diverse perspectives and backgrounds because we know that our unique qualities help us to be continuously better together.

[colorado.edu/engineering/community](https://colorado.edu/engineering/community)

100+

Engineering-focused student groups

8

Affinity-based professional engineering societies

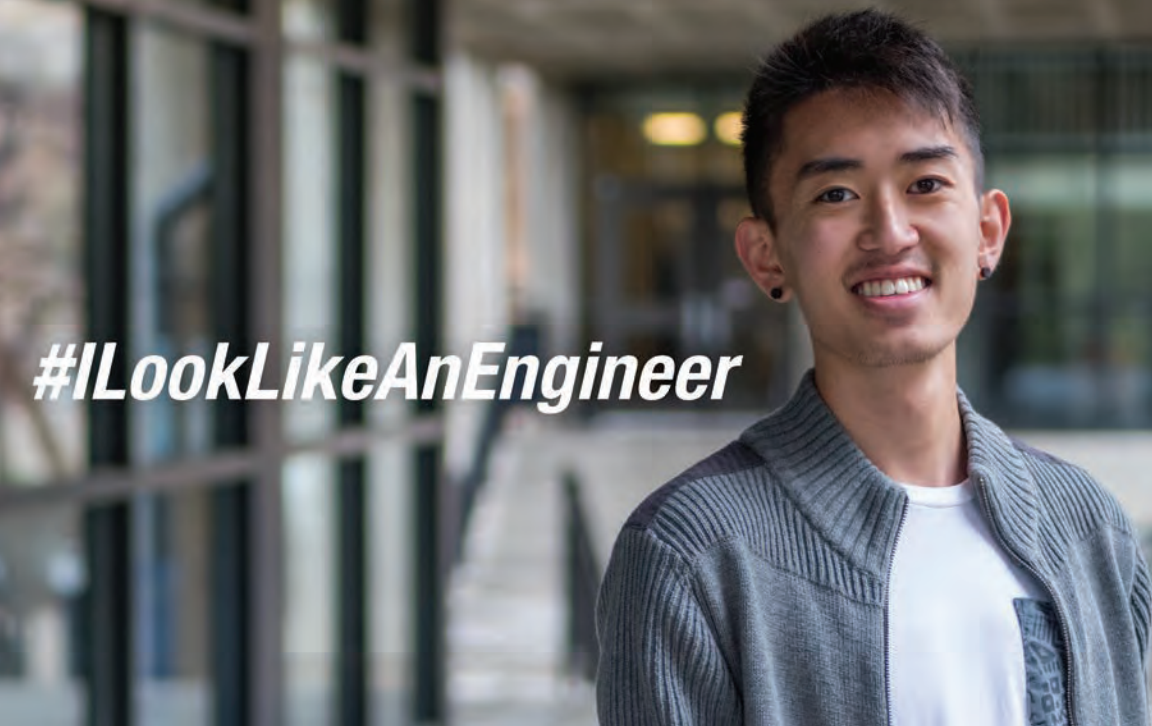
2002

Engineers Without Borders USA founded at CU Boulder

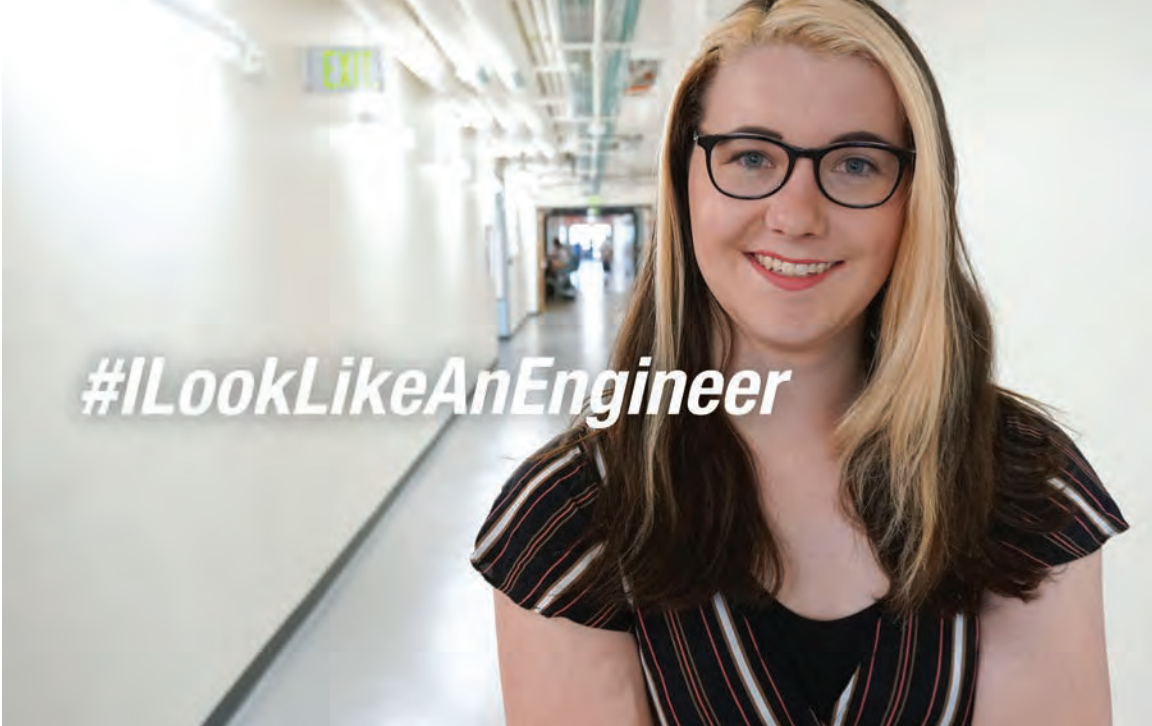


### Broadening Opportunity through Leadership & Diversity

We are a leader in expanding participation in engineering and are well above the national average for incoming women and underrepresented students. The College of Engineering's BOLD Center cultivates an inclusive, equitable, educational experience and community where historically underserved and underestimated students thrive. We're a people-centered community that encourages, listens and guides each other to create positive change in the college and the world. [colorado.edu/engineering/bold](https://colorado.edu/engineering/bold)



*#ILookLikeAnEngineer*



*#ILookLikeAnEngineer*

*#ILookLikeAnEngineer*

**Want to meet our community of engineers?**

Learn about our students' unique interests and how they are using their education to meet their goals. In our college, we don't believe in one type of engineer.

[colorado.edu/engineering/ilook](http://colorado.edu/engineering/ilook)



*#ILookLikeAnEngineer*



*#ILookLikeAnEngineer*

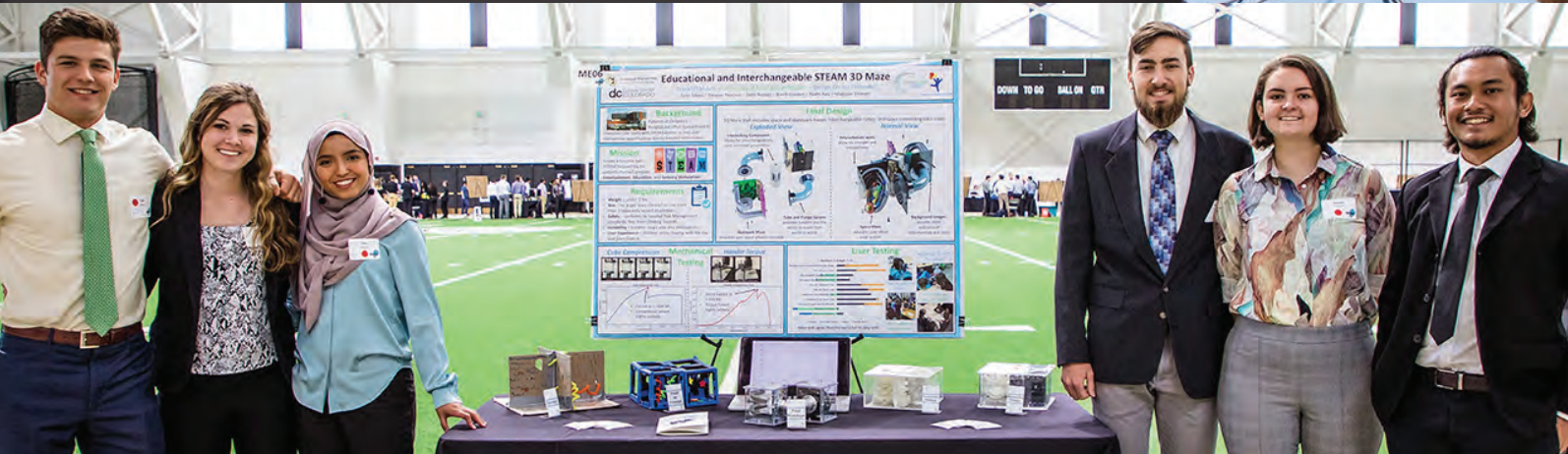
# ENGINEERED TO BE PROBLEM-SOLVERS.

As a Tier 1 research university, we value hands-on research opportunities for all engineering undergraduates. Our students discover the root of the problems facing society and explore ways to solve those issues and make a difference.

[colorado.edu/engineering/students/research](https://colorado.edu/engineering/students/research)

## Undergraduate research opportunities

- » Biological Sciences Initiative (BSI)
- » Colorado Space Grant Consortium
- » Discovery Learning Apprenticeship (DLA)
- » CU Summer Program for Undergraduate Research (SPUR)
- » Research Experience for Undergraduates (REU)
- » Summer Multicultural Access to Research Training (SMART) program
- » YOU'RE@CU
- » Undergraduate Research Opportunities Program (UROP)
- » Independent Study



## Engineering Projects Expo

The annual Engineering Projects Expo highlights inventions and technologies created by CU Boulder engineering students. From department-based events to capstone design projects, the expo allows students to share their work and research with the greater community and local industry partners.

[colorado.edu/engineering/expo](https://colorado.edu/engineering/expo)

# ENGINEERED TO BE INSPIRED.

One of the best parts of our college is the location. Not only are the Rocky Mountains in our backyard, but we also have many on-campus creative hubs and are close to federal research labs and top tech employers. Our students experience an inspiring environment that fuels collaboration and hands-on learning every day.

## On-campus opportunities

We have first-class, on-campus facilities for students to explore their ideas [colorado.edu/engineering/about/first-class-facilities](https://colorado.edu/engineering/about/first-class-facilities)

- » Blow Things Up Lab
- » The Integrated Teaching and Learning Laboratory
- » New Aerospace Engineering Sciences building
- » Idea Forge

## Off-campus opportunities

Students in Boulder can innovate, turn ideas into reality and connect with our larger entrepreneurial community

- » 50+ years of partnership with local federal research labs, including the National Renewable Energy Laboratory (NREL) and the National Center for Atmospheric Research (NCAR)
- » 180 aerospace companies
- » An entrepreneurial community of more than 4,000 companies and 215,000 techies
- » Denver Startup Week: The largest free entrepreneurial event in the country

## Colorado's opportunities

We benefit from having a beautiful backdrop and a state capital that is a global city, allowing us to balance school with culture, recreation and nature.



## Entrepreneurship

Our students have opportunities to engage in hands-on startup experience. In 2019, 120 student teams participated in the university's premier entrepreneurial startup competition, the New Venture Challenge (NVC). Student innovators led these teams, and we're proud to say our engineering students took the lead and won the competition. [colorado.edu/nvc](https://colorado.edu/nvc)

**ONE**

hour away from Rocky Mountain National Park

**25+**

ski resorts in Colorado

**145+**

miles of hiking trails in Boulder

# ENGINEERED TO BE YOU.

We believe in helping all students create their stories and set their own goals. Connect with us to learn more about CU Boulder's College of Engineering and Applied Science.

**Apply to the College of Engineering and Applied Science**  
[bit.ly/cuengapp](https://bit.ly/cuengapp)

## Application deadlines

- » **November 15:** Early action deadline
- » **January 15:** Regular decision deadline

## Learn more

Connect with our admission counselors, join a virtual information session or visit campus.  
[colorado.edu/engineering/visit-us](https://colorado.edu/engineering/visit-us)








**University of Colorado Boulder**  
College of Engineering and Applied Science  
422 UCB  
Boulder, CO 80309-0422

NON-PROFIT ORG  
US POSTAGE  
**PAID**  
BOULDER, CO  
PERMIT NO. 156



**Stay connected!**

@CUEngineering     
[colorado.edu/engineering](https://colorado.edu/engineering)

*The University of Colorado is an equal opportunity/nondiscrimination institution. The information in this brochure was accurate at the time of printing (September 2020). All information is subject to change without notice.*

*The photographs in this brochure were taken before the COVID-19 pandemic and may not depict current health and safety guidelines.*