

# STRATEGIC VISION

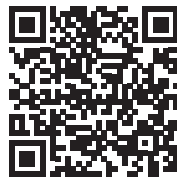
---

Engineering sustainable solutions to improve the quality of life in our state, nation and world.

---



College of Engineering & \_\_\_\_\_



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



September 2023

Dear CU Boulder Engineering community,

In fall 2022, we undertook a college-wide exercise to chart our path to the future. Our new strategic plan is the result of deep collaboration

# STRATEGIC VISION

---

## Who We Are

» A multid-cultural collective

» A multicultural enterprise

» A public educational institution

» A committed and effective enterprise

# RESEARCH AND INNOVATION

**We shape the world through research that generates fundamental knowledge and translates innovations to impact.**

CU Engineering is a comprehensive research college that generates sustainable solutions to pressing societal challenges. We are home to nationally recognized faculty and a place for all faculty to grow throughout their academic careers. CU Engineering is the destination of top doctoral students. We are a cultivator of research curiosity at all levels of training and education. Our world-class facilities support fundamental and applied discoveries at the research frontier. CU Engineering is an incubator of entrepreneurs who partner with government and industry to drive our economy.

**In the next five years, we will:**

- » Be a trusted source of engineering knowledge to inform national policy and research priorities.
- » Be a leader of entrepreneurial ventures that enhance health, safety and quality of life.
- » Be an integrator of large-scale interdisciplinary research with partners beyond our college and campus boundaries.







**To enable this vision, we will:**

- » Offer full cost of attendance for all first-generation students from Colorado in financial need and provide these students with programmatic support to become successful engineers.
- » Strive for gender parity in our first-year class by 2028 through actively recruiting and cultivating a community for top women engineers.
- » Improve student retention rates across all student demographics to the top quartile of our national peers and close our existing equity gaps.
- » Enhance our co-curricular opportunities, such as residential experiences, mentoring, leadership, study abroad, research and internships to improve student belonging and career affinity.
- » Develop and grow innovative educational offerings through various modalities to increase access to all undergraduate and graduate students.
- » Create new interdisciplinary doctoral programs in Engineering Education, Robotics and other emerging fields that compete with aspirational peers for the best doctoral students.
- » Increase the overall number of Ph.D. students by 25 percent and double the number of Ph.D. students in our interdisciplinary programs while simultaneously diversifying our demographics and increasing support resources.

**We grow stronger by embracing and cultivating the unique contributions of all community members.**

CU Engineering is a college where diversity, equity, inclusion, belonging and community building

**To enable this vision, we will:**

- » Implement inclusive learning opportunities and practices for all students, faculty and staff across the college.
- » Organize and leverage the focus of college councils and committees to recruit and retain diverse students, faculty and staff.
- » Establish and implement equity review processes for policies, procedures and practices affecting students, staff and faculty around scholarships and workforce management.
- » Create a diverse student body, staff and

/engineering/vision