STRATEGIC VISION

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

College of Engineering &

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

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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.

» Creat dyeCtg students, staff and

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