A FRESH LOOK AT

Engineering 2020: Vision for Excellence

Strategic Intent

Our refreshed outlook for Engineering 2020 raises the bar for growth, performance and culture within the College of Engineering and Applied Science at the University of Colorado Boulder. It embraces our expanding student body, faculty, staff and research programs that enrich the lives and education of our students while delivering an excellent return on investment for the people of Colorado, and it sets us on a path to be ranked among the top 20 U.S. engineering programs.

People

We will double in enrollment from 2007 to 2020. We will continue to raise the standard for admitted students while developing programs that attract underrepresented groups.

We will promote faculty and staff excellence, diversity and growth. We will add 125 tenure-line faculty to meet the teaching and research demands of a transformed college.

We will continue to support a culture of inclusive excellence. We will triple the number of female students and quadruple the number of underrepresented minorities, more closely reflecting the diversity of Colorado while also increasing quality.

Places

We will add more than 300,000 assignable square feet to our college by completing the Jennie Smoly Caruthers Biotechnology Building, constructing a new aerospace building on East Campus, converting the former Fleming Law library into makerspaces and senior design project space at the Idea Forge, and expanding the Sustainability, Energy, and Environment Complex into a home for the Department of Civil, Environmental and Architectural Engineering and its related laboratories. Finally, the existing Engineering Center will be refurbished and repurposed to provide more effective research and instructional space.

Programs

We will develop programs and centers of excellence in research areas that are key to societal needs and for which our college and partners have particular strengths. We will grow research awards from $40 million in 2007 to $135 million in 2020.

We will promote active learning through the Idea Forge and other new lab and project spaces, by maintaining our commitment to senior capstone classes that develop real projects for corporate partners, and by expanding residential academic programs that allow students to live out their educational experiences with a diverse group of peers intent on engineering a better world.

We will grow our global commitment by recruiting more international students as well as boosting overseas opportunities for domestic students — either through study abroad or via active learning projects born with roots in our campus, such as Engineers Without Borders and Bridges to Prosperity.

See www.colorado.edu/engineering/2020 for the full strategic plan.