

STRATEGIC PLAN · 2022 FORWARD. Faster.





THANK YOU STRATEGIC PLANNING COMMITTEE!

Amin Khodaei
Ashley Sherman
Breigh Roszelle
Betsy Hart
Bob Whitman
Chris GauthierDickey
Goncalo Martins
Haluk Ogmen
Jason Roney
JB Holston

Karla Raines
Kimon Valavanis
Margareta Stefanovic
Mario Lopez
Matt Gordon
Matt Rutherford
Mohammad Mahoor
Nathan Sturtevant
Nina Sharma
Paul Forsberg

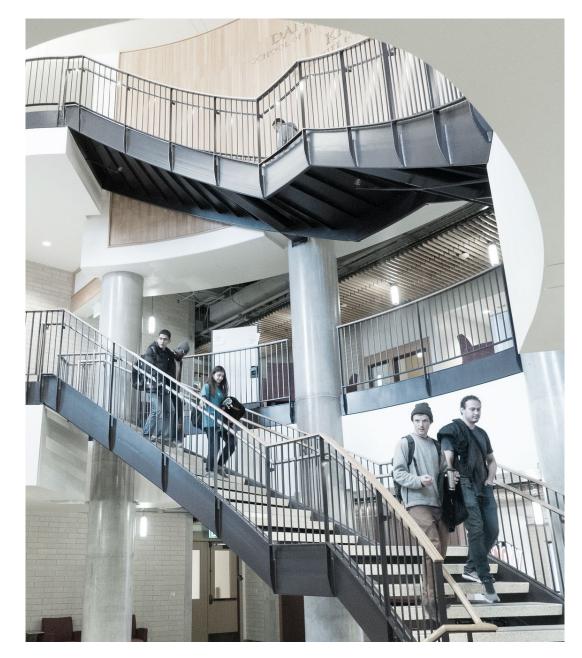
Paul Rullkoetter
Pete Laz
Renee Carvalho
Ron DeLyser
Scott Leutenegger
Susan Bolton
Susanne Sherba
Ramki Thurimella
Yun-Bo Yi

Mission

Advancing technical and scientific knowledge and capabilities to improve quality of life for our global society.

Vision

We are a diverse learning and teaching community discovering creative solutions for healthy, global citizens living in a smart, sustainable world.





Our Values



Instill a culture of inclusive excellence and more than double the percentage of students who come from diverse backgrounds.



TD1SI1: Financial Support for Students

TD4S12: A Community of Diversity, Equity and Inclusive Excellence





Focus our research and education program to address two, relevant real-world global goals.



TD1SI2: Enhancing and Expanding our Learning Environment

TD1SI3: SI 3: Navigating DU, Navigating Life

TD2SI3: SI 3: International Impact

TD4SI3: Sustainable DU

Modernize the undergraduate program.



TD1SI2: Enhancing and Expanding our Learning Environment

TD1SI5: Preparing for Careers and Lives of Purpose

TD2SI3: International Impact TD2SI4: Knowledge Bridges











ARTIFICIAL INTELLIGENCE

BIOMECHANICS

CYBERPHYSICAL SECURITY

ROBOTICS

SMART CITIES

Grow the research enterprise.



TD2SI1: Faculty Talent, Excellence and Diversity Initiative

TD2SI2: Supporting Research, Scholarship and Creative Expression

TD3SI4: Partner in Innovation and Entrepreneurship in Denver

TD4SI3: Sustainable DU



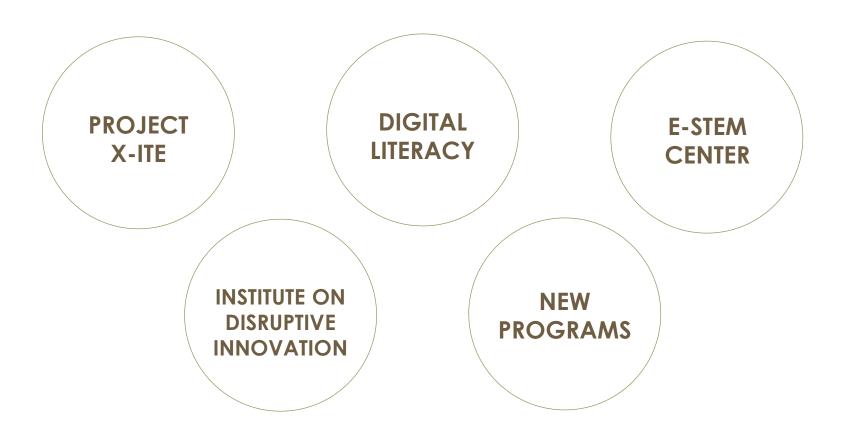
Offer a suite of highly relevant new programs.



TD2SI5: Preparing for Careers and Lives of Purpose

TD3SI4: Partner in Innovation and Entrepreneurship in Denver

Improve brand domestically and abroad.



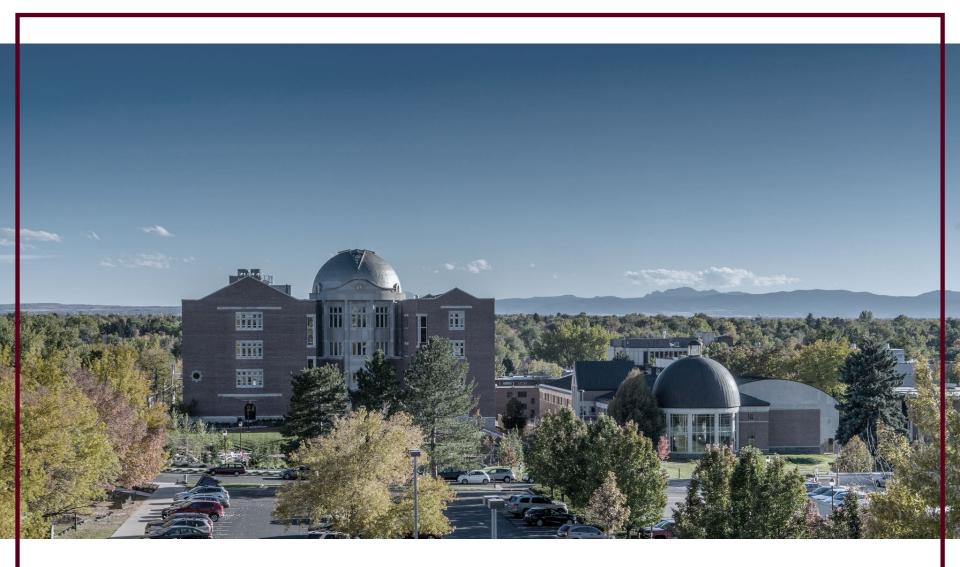
UNIVERSITY-WIDE INITIATIVES



TD2SI 6: Project for Innovation, Entrepreneurship and Technology TD3SI4: Partner in Innovation and Entrepreneurship in Denver

OUTCOMES





Thank you!

Appendix

VALUES

We believe:

- Students are the center of our academic programs
- Students gain deeper knowledge through experiential learning
- Inclusive excellence is essential to tapping into diverse talents, ways of thinking and working together
- Collaboration across disciplines, boundaries and fields can lead to breakthroughs and innovation
- Continuous innovation is essential to teaching and research
- Creative thinking is fueled by an inquisitive nature and a quest for discovery

Strategic Objectives

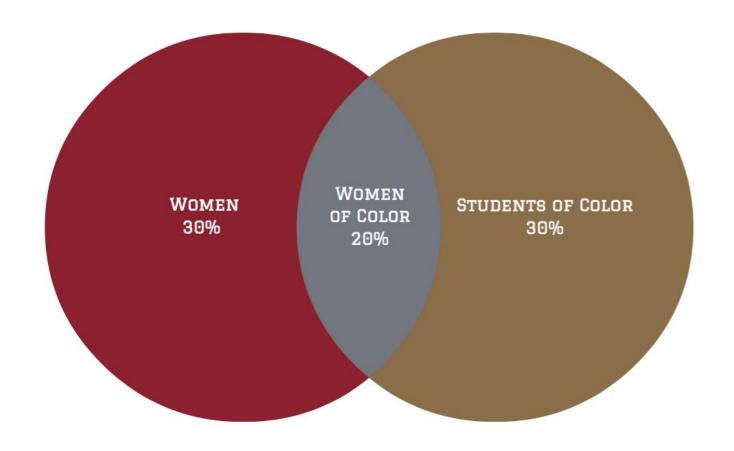
- Instill a culture of inclusive excellence and more than double the percentage of students who come from diverse backgrounds
- Focus research and education programs to address two relevant, real-world Global Goals
- Modernize the undergraduate program
- Grow the research enterprise
- Build a suite of highly relevant **new programs**
- Improve brand and reputation domestically and abroad

OUTCOMES

In three to five years, the Ritchie School will become known as an innovative jewel of a school in engineering and computer science that has achieved the following:

- Substantially greater percentage of undergraduates will be students of color, will be women, and will be 1st generation
- Substantially more undergraduates will major in engineering or computer science and more non-majors will take more Ritchie courses
- New programs will contribute substantial new revenue to the unit
- The amount of **research funding** flowing through, and PhD students, in the School will have **increased dramatically**
- Ranked by USNWR in Graduate Engineering and Computer Science
- Improve USNWR Undergraduate Engineering Ranking
- Lead up to five critical University—wide initiatives

Instill a culture of inclusive excellence and more than double the percentage of students who come from diverse backgrounds



Focus our research and education program to address two, relevant real-world global goal





Modernize the undergraduate program

- All students participate in at least one (1) project-oriented, team-based, customer / product / service-driven experiential, inclusive, and public-good oriented course each year
- All students engage in at least one (1) extra- curricular experience each year
- All students have at least one internship or Co- Op before they graduate
- All students have an NAE Grand Challenges experience
- Faculty commit to a high level of engagement with students inside and outside the classroom
- All students are assessed annually against the Ritchie School graduate characteristics

Offer a suite of highly relevant new programs

- Examples: certificates, competencies, new Masters
 - Suite of MS Degrees
 - Cybersecurity
 - Data Science
 - Internet of Things
 - Web Development
 - Financial Engineering
 - Product Design

Description

- Accelerated Format, designed to be completed in 12 Months
- Full time, On-Campus
- Discounted Tuition
- Industry Internship Required Component of Curriculum
- Non-Thesis, Terminal Degrees

UNIVERSITY-WIDE INITIATIVES



PROJECT X-ITE



INSTITUTE ON DISRUPTIVE INNOVATION



DIGITAL LITERACY



E-STEAM CENTER



MULTI-MODAL, MULTI-DISCIPLINE; NEW PROGRAMS