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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
STRATEGIC OBJECTIVES
STRATEGIC OBJECTIVE #1
INSTILL A CULTURE OF INCLUSIVE EXCELLENCE AND MORE THAN DOUBLE THE PERCENTAGE OF STUDENTS WHO COME FROM DIVERSE BACKGROUNDS

TD1SI1: Financial Support for Students
TD4SI2: A Community of Diversity, Equity and Inclusive Excellence
STRATEGIC OBJECTIVE #2
FOCUS OUR RESEARCH AND EDUCATION PROGRAM TO ADDRESS TWO, RELEVANT REAL-WORLD GLOBAL GOALS

DEVELOP AND INSPIRE HEALTHY GLOBAL CITIZENS

BUILD A SMART, SUSTAINABLE WORLD

TD1SI2: Enhancing and Expanding our Learning Environment
TD1SI3: SI 3: Navigating DU, Navigating Life
TD2SI3: SI 3: International Impact
TD4SI3: Sustainable DU
STRATEGIC OBJECTIVE #3
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
STRATEGIC OBJECTIVE #4
GROW THE RESEARCH ENTERPRISE

ARTIFICIAL INTELLIGENCE
BIOMECHANICS
CYBERPHYSICAL SECURITY
ROBOTICS
SMART CITIES

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
STRATEGIC OBJECTIVE #5
OFFER A SUITE OF HIGHLY RELEVANT NEW PROGRAMS

TD2SI5: Preparing for Careers and Lives of Purpose
TD3SI4: Partner in Innovation and Entrepreneurship in Denver
STRATEGIC OBJECTIVE #6
IMPROVE BRAND DOMESTICALLY AND ABROAD
UNIVERSITY-WIDE INITIATIVES

TD2SI 6: Project for Innovation, Entrepreneurship and Technology
TD3SI4: Partner in Innovation and Entrepreneurship in Denver
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
STRATEGIC OBJECTIVE #1
INSTILL A CULTURE OF INCLUSIVE EXCELLENCE AND MORE THAN DOUBLE THE PERCENTAGE OF STUDENTS WHO COME FROM DIVERSE Backgrounds
STRATEGIC OBJECTIVE #2
FOCUS OUR RESEARCH AND EDUCATION PROGRAM TO ADDRESS TWO, RELEVANT REAL-WORLD GLOBAL GOALS

Develop and Inspire Healthy Global Citizens

Build a Smart, Sustainable World
• 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.
STRATEGIC OBJECTIVE #5
OFFER A SUITE OF HIGHLY RELEVANT NEW PROGRAMS

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