LEADERSHIP PROFILE

DEAN OF THE COLLEGE OF ENGINEERING AND APPLIED SCIENCE

University of Colorado Denver
CU IN THE CITY
INTRODUCTION

The University of Colorado Denver | Anschutz Medical Campus invites nominations for and expressions of interest in the position of Dean of the College of Engineering and Applied Science.

As Colorado’s only public urban research university, CU Denver educates a diverse student body through quality academic programs, ambitious research and creative work, and community engagement in our state and community. Graduates gain the powerful combination of immersive classroom and real-world experiences that are in demand today, while the city and region benefit from well-educated, top talent and a new generation of knowledge that fuels the future.

At CU Denver, we provide our students purposeful learning opportunities unique to our location in the heart of downtown Denver. CU Denver has a central role in defining the diverse, vibrant and entrepreneurial nature of the city of Denver. The faculty in our eight schools and colleges are recognized for their topical and innovative research, and our network of influential alumni are leaders in Denver’s civic, nonprofit and business communities.

We offer more than 100 high-quality, in-demand programs of study, leading to bachelor’s, master’s and doctoral degrees, in fields ranging from the liberal arts and sciences to global energy management, music industry studies and criminal justice. We help each of our more than 14,000 students find the most direct educational path to success. Our students enter the workforce prepared with an education that can include applied experiences rooted in the community.

Here at the most ethnically diverse research university in Colorado, we strive to promote a culture of inclusiveness, respect and understanding. As a member of the University of Colorado system, CU Denver is committed to recruiting and supporting a diverse student body, faculty and administrative staff.
THE ROLE OF THE DEAN OF THE COLLEGE OF ENGINEERING AND APPLIED SCIENCE

The dean serves as the chief academic officer of the college with full responsibility for its academic programs and curricula, the college’s budget, and its outreach, engagement and development activities. The dean will effectively and meaningfully engage the engineering community.

The dean’s responsibilities include the following (not in priority order):

» In collaboration with the faculty, providing intellectual leadership and a strong commitment to the educational programs housed in the College of Engineering and Applied Science.

» Working with the faculty to continuously improve the teaching/learning programs and environment of the college.

» Working in consultation with the provost and in collaboration with other deans to ensure a university-wide perspective on broad institutional matters.

» Increasing the college’s resource base by engaging in fundraising activities for the college. A University of Colorado advancement officer works with the dean.

» Building networks and forging and strengthening alliances with industry partners.

» Encouraging greater scholarship (creative work/research) activity involving both undergraduate and graduate students in externally funded and campus-supported efforts.

» Overseeing the activities necessary to maintain the college’s accreditations.

» Working to promote scholarship (creative work/research), innovation and entrepreneurial activities in the college and raising its stature and funding.

» Advocating for the college internally as well as statewide, nationally, and internationally.

» Leading efforts/activities to enhance the student experience and advance enrollments, diversity and inclusion, and retention and persistence efforts among the college’s students.

» Providing outstanding strategic leadership and critically evaluating/embracing emerging directions in higher education, industry, and the technology spheres.

» Meeting agreed upon campus objectives for the college within the established budget.

» Demonstrating a strong commitment to the university’s urban location and to the rich diversity of the urban environment, while exploring opportunities to engage across Colorado and around the globe.

» Enhancing the College of Engineering and Applied Science brand through activities, events, and intellectual leadership in the engineering and government communities.

Appointed by the Chancellor on the recommendation of the Provost and Executive Vice Chancellor for Academic and Student Affairs, the Dean reports directly to the Provost. The responsibilities assigned to this position are by broad directive and generally accomplished without direct supervision. The Dean’s performance in this position is judged holistically—by the quality of overall results rather than by conformation to pre-established specific standards.
OPPORTUNITIES AND EXPECTATIONS FOR LEADERSHIP

The dean of the College of Engineering and Applied Science is responsible for the effective leadership of the teaching, scholarship (creative work/research), outreach programs, and service/leadership activities in the college.

The dean is expected to: provide visionary leadership and overall direction as they lead the college into the forefront as a dynamic and responsive leader in engineering education; work collaboratively with the faculty and staff; effectively and meaningfully engage the engineering community; provide leadership for the college’s curricular initiatives, research and scholarship, professional training, and recruitment and retention of high quality faculty, staff, and student talent.

The dean is also responsible for the college’s strategic planning, program development and evaluation, outreach, alumni engagement, fundraising, enrollment, retention, student persistence and completion, market planning, interdisciplinary initiatives in education and research, and the management of the college’s administrative and financial affairs.

As the chief academic officer of the college, the dean appoints department chairs, oversees accreditation, develops new curricula and programs, and strengthens external relationships. The successful candidate must be able to establish beneficial fundraising relationships with alumni donors and friends, industry partners, the community, government agencies, and the college’s various constituents.
PERSONAL QUALIFICATIONS AND REQUIREMENTS

KNOWLEDGE, SKILLS, AND ABILITIES
A successful candidate will be required to demonstrate:

» A strong record of excellent scholarship, teaching, and service/leadership in an academic environment;

» Exceptional visionary and strategic leadership skills;

» A record of successful engagement with the engineering community;

» Excellence in leading, evaluating, and recruiting faculty, staff, and students;

» Ability to manage and administer a large, diverse, and multi-functional team of faculty and staff;

» Effectiveness as a fundraiser, networker, and strategic alliance-builder;

» Ability to successfully build and/or enhance strong programs of corporate sponsorships, funded research, and other mission-aligned revenue generation;

» Ability to establish mutually beneficial relationships with external constituents such as, but not limited to, alumni, government, and accrediting bodies;

» Credibility with engineering and government leaders as a thought leader and innovator in engineering practice and education;

» Excellent oral and written communication skills;

» The ability to build and work with teams up and across the organization;

» Demonstrable accomplishments in working with faculty groups, senior campus leadership, and executive-level leadership personnel from government, engineering and industry, and not-for-profit communities as well as other internal and external constituencies;

» Broad working knowledge of innovation and accomplishment, entrepreneurship, and technology application in engineering and applied science at the local, state, national, and international levels.

MINIMUM REQUIREMENTS

» Earned terminal doctorate in a discipline relevant to the academic programs in the College of Engineering and Applied Science

» Leadership experience in higher education

» Record of scholarship, teaching, and service sufficient to be appointed as a full professor with tenure in the College of Engineering and Applied Science at the University of Colorado Denver | Anschutz Medical Campus

PREFERRED QUALIFICATIONS

» Demonstrated senior-level leadership success at a research university and/or sustained executive-level success in engineering or industry

» Evidence of ability to forge partnerships, raise funds, and partner with industry to meet strategic growth and development goals

» Strong, demonstrated commitment and accomplishment in building diversity and inclusion

» Ability to understand the challenges of engineering education in an increasingly competitive and technologically diverse environment

» Demonstrated effective leadership skills

» Ability to motivate and manage change, energize, and lead a committed faculty and staff
The College of Engineering and Applied Science is built on a strong foundation in applied research and experiential learning. Innovation, creativity and leadership are the cornerstones of our engineering programs.

The college is home to five departments, including Bioengineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering and Mechanical Engineering. It offers bachelor’s through doctoral degrees in each discipline, including a unique interdisciplinary Engineering and Applied Science PhD and joint graduate programs with the College of Architecture and Planning and the Business School. All eligible undergraduate programs are accredited by the Accreditation Board for Engineering and Technology.

The college has nationally recognized faculty in several prominent research areas of international importance. In recent years, faculty have earned prestigious research awards from the National Science Foundation, including four CAREER awards; the National Institutes of Health, including an R01 award and multiple R21 awards; the Bill and Melinda Gates Foundation; Google; the Department of Education, including two GAANN awards and a RERC award; the National Institute of Standards and Technology; General Motors; and more.

The campus is in close proximity to several national research labs, public institutions, and government entities including the National Renewable Energy Lab, the National Oceanic and Atmospheric Administration, National Center for Atmospheric Research, the University of Colorado Boulder, Colorado State University, Colorado School of Mines, University of Denver and the Air Force Academy.

Located in the heart of Denver, Colorado, CU Denver boasts the only engineering college in the metropolitan region where working individuals can earn both undergraduate and graduate degrees entirely through late afternoon and evening studies. Its position within
the city offers ample hands-on learning opportunities for students and access to relevant industry connections and partnerships.

Curriculum and research evolve to meet the needs of the city, the state and the world. The college recently developed new graduate programs in construction engineering and management, biomechanics, and geomatics engineering, as well as certificate programs in software engineering and data engineering, and a cooperative certificate in digital arts with the College of Arts & Media.

The college has educational partnerships with universities in China, South America and Europe. In addition, some faculty have research collaborations with scholars around the world.

RESEARCH CENTERS IN THE COLLEGE OF ENGINEERING AND APPLIED SCIENCE

The Center for Sustainable Infrastructure Systems is an interdisciplinary research center between the College of Engineering and Applied Science and the School of Public Affairs, bringing together engineers with professionals from public policy, public affairs, public health and business development for the rapid diffusion, review and redesign of resilient and sustainable infrastructure systems in society.

The Center for Geotechnical Engineering Science advances the understanding of the safety, reliability, performance and environmental impact of engineered geosystems. Resolution of geostructural and environmental remediation problems is addressed through research sponsored by public funding agencies and private industry. The center includes research on geostructural stability, rock engineering, geoenvironmental engineering and expansive soils.

The Transportation Research Center (TRC) involves both students and faculty in a range of education and research activities. The TRC works on projects in collaboration with other departments and colleges such as business, urban planning and public affairs. TRC projects address local, state, national and international concerns with funding from federal, state, local or private sources.
The University of Colorado system is headed by a president, who is appointed by the university’s governing Board of Regents, which oversees a system of four campuses serving 60,000 students with 30,000 employees and an annual budget of $3.55 billion. The president works closely with the university chancellors, who serve their respective campuses.

The University of Colorado Denver | Anschutz Medical Campus has two campuses, one in Denver (CU Denver) and one in Aurora (CU Anschutz Medical Campus). Created on July 1, 2004, by the University of Colorado Board of Regents through the consolidation of the University of Colorado at Denver and the University of Colorado Health Sciences Center, the University of Colorado Denver | Anschutz Medical Campus defines:

its **MISSION** as a diverse teaching and learning community that creates, discovers and applies knowledge to improve the health and well-being of Colorado and the world;

its **VISION** that it will be a leading public university with a global reputation for excellence in learning, research and creativity, community engagement and clinical care;

its **VALUES** to be a university greater than the sum of its parts, embracing excellence in:

» Learning and Scholarship
» Discovery and Innovation
» Health and Care of Mind, Body and Community
» Diversity, Respect and Inclusiveness
CU Denver has eight schools and colleges offering more than 100 undergraduate and graduate degree programs. CU Anschutz Medical Campus has five schools and colleges offering two undergraduate degrees, 36 graduate degrees and five first-professional programs. In addition, the University of Colorado Denver | Anschutz Medical Campus has a single Graduate School serving both campuses.

The University of Colorado Denver | Anschutz Medical Campus receives institutional accreditation from the Higher Learning Commission.

The 2004 consolidation with the CU Anschutz Medical Campus has provided new opportunities to enhance the learning-driven nature of the university, has increased cross-campus interactions and has enhanced academic offerings that lead to benefits in student learning, faculty teaching, research and creative activities.

CU Denver also benefits from its relationship with the University of Colorado system. The CU brand is recognized and respected locally, regionally and nationally for its academic excellence, breadth of programmatic offerings, groundbreaking research, notable alumni and social impact. As the CU System’s urban campus, CU Denver builds on that brand with quality academic programs, research, creative work and civic engagement that make it a vital asset both to students and to the city we call home.

At CU Denver, students choose from a wide variety of high-quality, in-demand programs of study and can complement their coursework with internships, lab research, service learning, study abroad and work study. Graduates emerge from this university with marketable knowledge and real-world experiences.

The state’s only urban public research university, CU Denver is also the most ethnically diverse research university in Colorado, a reflection of its setting in a diverse, vibrant and entrepreneurial city. CU Denver is CU in the City.
LEADERSHIP

BRUCE D. BENSON
President, University of Colorado System

Bruce D. Benson became president of the University of Colorado in March 2008. Since taking the helm of his alma mater, Benson has enhanced CU’s standing as one of the nation’s leading public universities, advancing the economy, health, and culture of Colorado and beyond. He is the longest-serving CU president in more than half a century.

During Benson’s tenure, CU’s research funding has reached record levels ($924 million in 2015-16), supporting the university’s research strengths in biotechnology, health care, energy and aerospace engineering, among others. He has led efforts to promote cross-campus collaboration that have resulted in cooperative academic programs and research initiatives, most notably CU’s Biofrontiers Institute, led by Nobel laureate Tom Cech.

CU has seen its six best fundraising years (including a record $384.5 million in 2015-16) under Benson’s leadership. Benson and his wife, Marcy, chaired CU’s $1.5 billion Creating Futures fundraising campaign, which exceeded its goal in 2013. The campaign, the largest in university history, supported scholarships, academic enhancements (endowed faculty positions), research projects and capital improvements across CU’s campuses.

Benson has guided efforts to successfully institute operational efficiencies, cut bureaucracy, and improve business practices at the university. CU has secured legislation in the Colorado General Assembly that has allowed it to save millions annually in areas such as procurement, insurance and construction. He has also established a number of public-private partnerships to make the university more entrepreneurial and meet the needs of businesses in Colorado and across the country.

Before becoming CU’s president, Benson had already made his mark in business, politics, philanthropy, education and civic endeavors. He founded Benson Mineral Group in 1965, a year after earning his bachelor’s degree in geology from CU. He has been active in a variety of educational, civic and political endeavors. He was the Republican nominee for Colorado governor in 1994. Benson has received many honors recognizing his leadership, but two are particularly notable: CU in 2004 granted him an Honorary Doctorate of Humane Letters, and in February 2009 he was named to the Colorado Business Hall of Fame.

DOROTHY HORRELL, PHD
Chancellor of the University of Colorado Denver

Dorothy Horrell, PhD, has been chancellor of the University of Colorado Denver since January 2016.

A recognized leader in higher education, Dorothy Horrell, PhD received a gubernatorial appointment to the Colorado State University System Board of Governors in 2009 and served as board chair from 2013-15. She was president of the Colorado Community College System, the state’s largest higher education system, from 1998-2000 and was president of Red Rocks Community College from 1989-1998. She previously held several positions in the community college system, including vice president for educational services and director of the occupational education division.

Dr. Horrell served from 2001-2013 as president and CEO of the Bonfils-Stanton Foundation, Colorado’s leading foundation supporting the arts and nonprofit leadership.

Her community involvement includes having been a founding member of the Boards of Arrupe Jesuit High School (2003-2011) and Clyfford Still

She has received the following honors: Colorado Women’s Chamber of Commerce, Top 25 Most Powerful Women and 2016 ATHENA leadership award; Colorado 4-H Hall of Fame; Public Education and Business Coalition, Investing in Education Award; Progressive 15 Alumni of the Plains; Colorado State University College of Applied Human Sciences Distinguished Alumna; and Mile High Council of Girl Scouts Woman of Distinction.

Dr. Horrell earned her bachelor’s, master’s and doctoral degrees from Colorado State University.

RODERICK NAIRN, PHD
Provost of the University of Colorado Denver | Anschutz Medical Campus

Dr. Horrell

Roderick Nairn, PhD, was appointed Provost and Executive Vice Chancellor for Academic and Student Affairs on July 1, 2008. From April 2007 to June 2008 he was Vice Chancellor for University Initiatives. He is also Professor of Biology, College of Liberal Arts & Sciences, and Professor of Immunology and Microbiology, School of Medicine at the University of Colorado Denver | Anschutz Medical Campus.

Dr. Nairn obtained his PhD in biochemistry from the University of London and the Medical Research Council, National Institute for Medical Research, London, England. After post-doctoral training in Immunology/Immunogenetics at Albert Einstein College of Medicine, New York, New York, Dr. Nairn joined the faculty of the Department of Microbiology and Immunology at the University of Michigan Medical School, Ann Arbor, Michigan. While at the University of Michigan, Dr. Nairn established a research program in basic cell and molecular immunology, developed a continuing interest in medical and graduate education, and was Director of the Medical Scientist (MD/PhD) Training Program.

Dr. Nairn was Professor and Chair, Department of Medical Microbiology and Immunology at Creighton University School of Medicine from 1995 through 2003, was Interim Dean, School of Medicine from 1997 to 1998, and then became Senior Associate Dean for Academic Affairs, with responsibility for oversight of research, faculty affairs and development, medical education, student affairs and admissions, graduate medical education and continuing medical education.

Dr. Nairn was Executive Vice President for Academic Affairs, Dean of the Graduate School of Biomedical Sciences, and Professor of Microbiology & Immunology at Texas Tech University Health Sciences Center from 2004 to 2007, where he was responsible for oversight of the academic and research missions, all university institutes, institutional planning and effectiveness, institutional compliance, the health sciences center libraries, and student support services and operations.

He has published widely in several basic science areas, been a reviewer for various scientific journals and funding agencies, and co-authored a textbook for medical students.

As Provost and Executive Vice Chancellor for Academic and Student Affairs he has responsibility for faculty, academic, and student affairs across the CU Denver and CU Anschutz campuses.
ABOUT OUR CITY

The dean of the College of Engineering and Applied Science will have the opportunity to live and work in a world-class city with a thriving cultural scene, a strong metropolitan economy, diverse neighborhoods and 300 days of sunshine a year—a city that benefits from CU Denver’s hardworking faculty, well-prepared graduates and strong community connections and partnerships.

With a metro area population of nearly 3 million people, Denver is Colorado’s largest city and its capital. It boasts the largest city park system in the nation, as well as 85 miles of paved trails and several pedestrian malls, including the famed 16th Street Mall a block from the CU Denver campus.

At 5,280 feet, the city gives residents quick access to Colorado’s major ski resorts and national parks, not to mention a view of 200 Rocky Mountain peaks. Denver has seven professional sports teams, 850 miles of paved off-road biking trails and the greatest percentage of college graduates of any major metropolitan area in the United States.

Denver ranks:
» #1 for Best Place to Live (U.S. News & World Report 2016)
» #1 Best Place for Business and Careers for the second consecutive year (Forbes 2015 and 2016)
» #3 for Most Popular Destinations for Millennials (Mayflower Company 2016)
Denver’s rich culture, healthy economy, natural beauty and spirit of health and wellness have fueled its growth. The metro population grew 13.8 percent between 2010 and 2015 and is anticipated to increase nearly 50 percent by 2030, with 800,000 new jobs being created.

And Denver’s downtown is growing just as rapidly. According to the publication 5280, the downtown population is projected to increase by 12.6 percent in the next five years (the national average is 3.7 percent).

CU Denver is right in the heart of downtown, where CU Denver students, faculty and staff enjoy an array of academic, professional, community, recreational and cultural outlets.

“Walkable” is an understatement for this campus, which is just steps from the Denver Center for Performing Arts, the central business district and the Lower Downtown Historic District (LoDo).

More information about Denver can be found by visiting the city’s website at denvergov.org.
PROCEDURE FOR CANDIDACY

Inquiries, nominations, and applications are invited. To apply, please visit cu.edu/cu-careers and attach: (1) a cover letter addressing your qualifications relative to the position requirements and (2) a current CV.

Applications will be accepted until finalists are identified. Preference will be given to applications received by December 12, 2016. Please direct inquiries to Karen Fennell, Executive Assistant to the Dean for the College of Liberal Arts and Sciences at karen.fennell@ucdenver.edu.

The University of Colorado is committed to diversity and equality in education and employment.