



Mizzou

University of Missouri



Dean Search

**College of Engineering
2020**

THE SEARCH

The University of Missouri also known as Mizzou and MU, seeks an innovative and collaborative leader to serve as Dean for the College of Engineering. Reporting to the Executive Vice Chancellor for Academic Affairs and Provost, the Dean for the College of Engineering serves as the academic unit's chief executive and academic officer, and will work closely with the college's faculty, staff, students, alumni, business/industry leaders, and the broader university leadership to advance academic and strategic initiatives.

MU is the flagship university of the four-campus University of Missouri System. It is the state's land-grant university and one of the most comprehensive universities in the United States. MU's broad undergraduate programs and its graduate, professional and research programs attract an annual enrollment of more than 30,000 students. MU is centrally located in Columbia, Missouri, a place consistently ranked as one of America's most livable cities.

THE UNIVERSITY OF MISSOURI SYSTEM

The University of Missouri was founded in 1839 in Columbia as the first public university west of the Mississippi River. Since then, the university has evolved as the state and its population has changed. The university had a single campus until 1870, when the School of Mines and Metallurgy (now Missouri University of Science and Technology) was established in Rolla. In the same year, the university assumed the land-grant responsibilities of providing higher education opportunities for all citizens. In 1963, the university again expanded to better serve Missouri by founding a new campus in St. Louis (the University of Missouri-St. Louis) and through acquiring the University of Kansas City (now the University of Missouri-Kansas City), created the present four-campus University of Missouri System.

Today, the University of Missouri System is one of the nation's largest institutes of higher education, with more than 75,000 students on four campuses, a health care enterprise, and an extension program whose activities reach each of the 114 counties of the state. A recent study indicated the UM System has a \$5.4 billion economic impact on the state of Missouri.

The UM President



Mun Choi, PhD, was named the 24th president of the University of Missouri System in November 2016, and began in March 2017. Before serving as President, Dr. Choi served as Provost and Executive Vice President at the University of Connecticut, and prior to that as Dean of Engineering at the University of Connecticut. Dr. Choi received his PhD in mechanical and aerospace engineering from Princeton University.

MIZZOU

The University of Missouri - Columbia is the flagship campus of the UM System and is a Research 1 university. As the state's largest and most comprehensive university, Mizzou offers more than 300 degrees (including 89 online options) and certificates to more than 30,000 students and has over 13,000 full-time employees and 300,000 alumni.



The university is a \$2.2 billion enterprise and an important asset for the state and nation, providing significant innovation and economic impact to the state, region, nation, and the world. Today, MU is truly a global enterprise, with its students representing every Missouri county, all 50 states, and over 120 countries.

Based on quality of teaching, research and scholarship, MU is one of only 34 public U.S. universities with membership by invitation in the prestigious Association of American Universities (AAU). The breadth of academic programs brings a wealth of opportunity for cross-disciplinary learning and scholarship among 18 colleges and schools. MU is one of only six public universities nationwide that can claim schools of engineering, medicine, veterinary medicine, agriculture, business, and law on the same campus.

The university's nationally prominent faculty bring discoveries into the classroom, publish more than 1,600 books and scholarly articles each year, and spend \$237 million annually on scientific research; their efforts account for about 70 percent of the research dollars flowing to the state's public universities. Research facilities include: the internationally recognized University of Missouri Research Reactor (MURR), a 10-megawatt facility that is the most powerful research reactor located on a U.S. university campus; the Bond Life Sciences Center, a 230,000 square-foot building that enables 41 faculty investigators from 12 academic units to solve problems in human and animal health, the environment, and agriculture; and the [NextGen Precision Health Initiative](#), a 265,000 square-foot building, currently under construction, that will be home to a bold and innovative interdisciplinary effort that seeks to transform how health care is delivered in the future.

Graduate programs, professional schools and the discovery of new knowledge through research add unparalleled value to an MU degree. Students benefit from hands-on learning while contributing 250,000 hours of community service annually, participating in undergraduate research, and taking advantage of one of Missouri's many study abroad programs.

Supporters worldwide invest in MU through their philanthropic gifts for scholarships, academic programs, facilities and life-changing research. Hundreds of donors are participating in the university's \$1.3 billion *Mizzou: Our Time to Lead* campaign to endow resources for MU's future, support signature research centers and institutes, and fuel a campus renaissance.

Designated a botanic garden, MU's 1,262-acre main campus features more than 42,000 plants and trees in numerous thematic and special collection settings. Many university buildings are listed on the National Register of Historic Places.

Individuals across the state connect with Mizzou by participating in Extension programs in every county, visiting MU Health Care specialists, competing in state competitions in MU facilities and cheering on the Missouri Tigers at athletic events. A member of the Southeastern Conference, Mizzou's NCAA Division I athletic program has 20 sports, many ranked in the top 25 nationally. The university has a number of traditions adding to the student experience and the campus community.



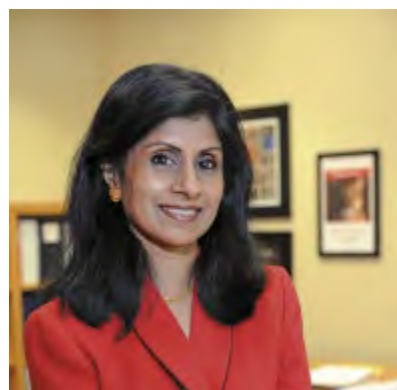
The Chancellor



Alexander Cartwright, PhD, became Chancellor of the University of Missouri in August 2017. He came to MU from the State University of New York (SUNY) where he served as Provost and Executive Vice Chancellor from September 2014 to July 2017. Prior to serving as Provost and Executive Vice Chancellor, Dr. Cartwright served as Vice President for Research and Economic Development at the University at Buffalo, a campus he joined in 1995 as faculty member. Dr. Cartwright's research was in the area of optical materials and sensors and he holds a PhD in electrical and computer engineering from the University of Iowa.

The Provost

Latha Ramchand, PhD, was appointed Executive Vice Chancellor and Provost at the University of Missouri in August 2018. Dr. Ramchand came to Mizzou from the University of Houston where she served as Dean of the C.T. Bauer College of Business. She began her deanship in 2011, prior to which she served as Associate Dean for five years, managing programs and administration, budgets and faculty affairs. Dr. Ramchand holds a PhD in Business Administration (Finance) from the Kellogg Graduate School of Business at Northwestern University.



Clearly, the next Dean of the College of Engineering will join an accomplished and capable team of leaders who are deeply committed to achieving excellence in teaching, research and engagement, and also the improvement of our communities by inclusion of people of all backgrounds and identities.

THE COLLEGE OF ENGINEERING

Founded in 1877, the College of Engineering has developed into a college with over 130 faculty members in six ABET accredited academic units. Degree programs are currently offered to over 2,700 undergraduate and 470 graduate students. Interdisciplinary research and teaching are hallmarks of the college, promoting a collaborative environment within the college and across campus. In FY 2019, the college's research expenditures were over \$18 million, with strong grants and contracts submissions and proposals pointing towards imminent increases in productivity.



As the first engineering school West of the Mississippi River, the MU College of Engineering has a rich history, including the 114-year tradition of Engineer's Week. St. Patrick was adopted as the Patron of Saint of engineering, and he makes an annual campus appearance during Engineer's Week.



The student body actively participates in more than 50 student-run engineering clubs and organizations. Many of these organizations are student-built teams, including the College's Rocket Team and Formula One Car Team, whose members have the opportunity to display their products at national and even international competitions. Each year the College of Engineering's two career fairs in the spring and fall attract over 200 industry-leading companies of all sizes who seek to hire the student talent the college produces for full time positions, internships, and co-ops. In addition to the opportunities for students in the state of Missouri, engineering study abroad programs are offered in France, Italy, Peru, and South Africa, with locations and classes

often being varied based on student needs.

The MU College of Engineering has made deliberate strides to ensure that all students, faculty and staff have the tools and experiences to succeed, regardless of identity, background, or means. One of Mizzou engineering's critical goals is to ensure the college is educating the next generation of not just engineers but engineering leaders who are ready to make a positive influence in society

and to bring innovation to the global workforce. Inclusivity has been placed as an integral part of that commitment. All members of the college community are committed to furthering diversity and inclusion efforts by supporting the college's Inclusivity Center, one of only two centers of this kind within the colleges on campus.

Additionally, the college has partnered with programs like the National Association of Multicultural Program Advocates ([NAMEPA](#)), the [50k Coalition](#), and many other national initiatives to continue working towards recruiting, retaining, and graduating students who are historically underrepresented in STEM higher education.

Mission

Our mission is to provide MU engineering students with the resources and services needed to reach their academic and professional goals.

We support this mission by:

- Supporting the academic and research mission of the University of Missouri, the College of Engineering and College of Engineering departments
- Providing programs and resources to support student success
- Valuing and promoting diversity, multiculturalism and an inclusive environment within the College of Engineering
- Encouraging positive self-growth through academic planning and accountability
- Creating an environment that fosters development by focusing on individual student needs

Academic Departments and Programs

- [Biomedical, Biological & Chemical Engineering](#)
- [Civil & Environmental Engineering](#)
- [Electrical Engineering and Computer Science](#)
- [Information Technology](#)
- [Industrial and Manufacturing Systems Engineering](#)
- [Mechanical and Aerospace Engineering](#)

Centers & Institutes

- [Cybersecurity Center at Mizzou](#)
- [Center for Geospatial Intelligence](#) (CGI)
- [Center for Eldercare and Rehabilitation Technology](#) (CERT)

- [Center for Nano/Micro Systems \(CNMS\)](#)
- [Center for Physical Electronics and Power Electronics](#)
- [Midwest Industrial Assessment Center \(IAC\)](#)
- [Center for Logisitics & Distribution \(CeLDi\)](#)

Pillars of Pursuit

The University of Missouri College of Engineering identified its three core values — Integrity, Collaboration and Excellence in the areas of Education, Research and Translation — as part of the creation of a strategic plan and implementation roadmap for the college. After defining these values, College of Engineering leadership identified a number of differentiators, in the context of those three core values, that set the college apart from its competitors and peers.

The four differentiators are the priority areas for the college’s investments, hiring and resource allocations. They collectively are known as the Pillars of Pursuit:

[Educating Engineering Leaders](#),

[Big Data Analytics](#),

[Biomedical Innovations](#) and

[Sustainability in FEWSed](#) (Food, Energy, Water, Smart Cities).

The College is heavily involved in a number of campus-wide interdisciplinary research endeavors, such as the **MU Institute for Experiential Education, Innovation and Entrepreneurship**, which includes faculty members from engineering, law, education, business and the arts; and the **Interdisciplinary Plant Group**, which is currently comprised of 60 faculty-led research teams representing three additional academic units: College of Arts and Science, College of Agriculture, Food and Natural Resources, and the School of Medicine; and, the aforementioned [NextGen Precision Health Initiative](#), which includes a new 265,000 square-foot, five-story precision health facility encompassing faculty from across the MU campus, including colleges of engineering, veterinary medicine, animal sciences, arts and science, and the schools of medicine, nursing, and health professions.

Supported by the Governor and State of Missouri Legislature as well as rich partnerships from Cerner and Siemens Healthineers, and all four universities of the UM System, the **NextGen Precision Health Initiative** brings tremendous opportunity to leverage our comprehensive strengths to improve the health and lives of Missourians and beyond. The MU College of Engineering has provided leadership for the **NextGen** initiative and is well-situated to build on these partnerships and many other innovative efforts across the campus. The college seeks to dramatically increase research productivity as it contributes to the university land-grant mission to solve societal problems.

THE DEAN

The University of Missouri seeks a dynamic and innovative leader who will enhance the reputation of the College of Engineering and enhance its position as an emerging college of engineering, with national reputation. As Dean, the successful candidate will be committed to continuous enhancement of teaching, research, engagement, and sustainability of the college and the translation of these efforts to solve the grand challenges of our state, region, nation and the world. As an institutional leader, the Dean will be highly involved in developing University-wide strategies for increasing interdisciplinary research, building external partnerships, and promoting outreach efforts that engage the university in responding to Missouri, national, and international issues.

Reporting to the Provost and Executive Vice Chancellor, the Dean is the chief academic, administrative, and budgetary officer for the college. As the primary spokesperson for the college, the Dean should be a superb communicator with an ability and strong desire to continuously enhance the image and national standing of the college. The Dean should provide visionary and innovative direction for the college while providing leadership for the faculty, staff, and students.

Specific responsibilities include:

- endorsing and building upon the college's student-centered focus and creating an atmosphere conducive to a positive student experience;
- providing leadership and resources to support faculty teaching, research, and external funding initiatives;
- increasing public understanding and support for the university and college while contributing to the vitality and well-being of the state and the nation;
- grasping and navigating the educational, political, and cultural dynamics of the state, the university system, and MU;
- respecting and adhering to principles of transparency, ethical behavior, fiduciary responsibility, and stewardship of resources;
- proactively leading the college's research, academic, extension, outreach and economic development activities;
- advocating for and fairly supporting the work of a multidisciplinary faculty;
- promoting a culturally aware, safe, and welcoming environment with a strong commitment to equity and inclusion;
- recruiting and retaining diverse faculty, staff, and students;
- promoting a strong relationship and enhanced engagement of College of Engineering alumni;
- leading fundraising initiatives and promoting donor and alumni development to meet current and future college priorities;
- promoting a robust culture of interdisciplinary research within the college and building partnerships and collaborations across the university;
- effectively linking educational programs within the college to the broader university culture and mission; and
- advancing the college's internationalization initiatives, including enhancing its global partnerships, and building on its strong traditions for global service and research.

Qualifications: The College of Engineering is seeking a dynamic leader who brings passion and an understanding of the convergent activities that fuel the college's success and identity. Candidates must have demonstrated significant achievement in leadership and administration. Candidates should have a distinguished record in teaching, research, and service. The successful candidate will possess the terminal degree in their field and qualify for an appointment as full professor with tenure in one of the disciplines within the college. Candidates should have significant experience and demonstrable skills in leading and managing progressive change in the complex environments that exist within a modern land-grant university. The dean must be a person of unquestioned integrity and committed to providing ethical leadership for the college.

Candidates must demonstrate evidence of the following qualifications:

- effective communication and public relations skills, including the ability to clearly articulate the college's vision, goals, and accomplishments in a way that will forge productive links with its academic units and external constituencies;
- an ability to develop a shared vision through open communication and transparency;
- demonstrated commitment to diversity, equity, and inclusion, including experience recruiting and retaining a diverse faculty, staff, and students;
- an ability to raise financial resources and build the financial stability of the college;
- demonstrated experience in financial management;
- commitment to the concept of shared governance;
- an ability to cultivate a climate of academic cohesiveness amongst the departments and programs within the college;
- an ability and desire to develop a culture of high morale and job satisfaction;
- proven track record working with community and industry partners; and
- a congenial personality, positive attitude, and professional demeanor.



APPLICATIONS

Application materials should include a current curriculum vitae and a letter addressing how the candidate's experience matches the position requirements, specifically experience in teaching, research, inclusion and diversity, and philanthropy.

Nominations, applications, and inquiries of interest may be sent in confidence to the University's executive search consultant:

Martin M. Baker, Managing Partner
Buffkin/Baker
10 Cadillac Drive, Suite 190
Brentwood, TN 37027
martin@buffkinbaker.com

The University of Missouri is fully committed to achieving the goal of a diverse and inclusive community of faculty, staff, and students. We seek individuals who are committed to this goal of collaboration and inclusion and value the many unique qualities and experiences a diverse environment offers.

The University will recruit and employ qualified personnel and will provide equal opportunities during employment without regard to race, color, religion, sex, sexual orientation, national origin, age, disability or status as a Vietnam-era veteran.