



**COLORADO SCHOOL OF
MINES**

Open Rank Professor and Assistant Professor, Economics and Business ([Job Link](#))

The Department of Economics and Business at the Colorado School of Mines (Mines) invites applications for two positions in Operations Research/Business Analytics.

The first position is tenured or tenure-track open rank. The second position is tenure-track Assistant Professor. The primary focus of these positions will be to help develop and support the quantitative business programs on campus and to contribute to interdisciplinary research in Mines' focus areas. We are open to all areas, but we are especially interested in candidates with expertise in supply chain, simulation, and optimization under uncertainty.

Operations research, business analytics and associated courses are taught in several programs at Mines. In the Department of Economics and Business, these programs include the Engineering and Technology Management MS degree, the Mineral and Energy Economics MS and PhD program, the Business Engineering and Management Science BS degree, and the online Business Analytics certificate. Business analytics courses also support the interdisciplinary Operations Research with Engineering MS and PhD program and the Data Science MS degree.

These new faculty will also contribute to Mines priorities through engagement in interdisciplinary research. Mines aims to conduct research with an impact on sustainable and responsible development of earth resources, integrated energy systems, and innovative technological solutions. Information on Mines research initiatives may be found at [Home - Research and Technology Transfer \(mines.edu\)](#).

Colorado School of Mines is an R1 public institution dedicated to education and research in science and engineering. Located in beautiful Golden, Colorado, Mines is home to approximately 5,200 undergraduate and 1,500 graduate students. Faculty at Mines have been involved in research and education relating to the earth, energy, and the environment since its founding in 1874. More information can be found at [Colorado School of Mines | A Premier Engineering University](#). For further information about the positions or the university vision, please contact the search chair, Dr. Steven Smith, at ssmith1@mines.edu.



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Responsibilities:

- Establish and/or maintain a high-quality research program and publication record including appropriate external funding
- Develop and deliver course materials using a variety of analytical software (i.e. python, excel, etc.) to undergraduate and graduate students demonstrating teaching excellence of high-quality and impact
- Supervise graduate research and thesis projects and mentor a diverse set of students
- Contribute both institutionally and professionally through active service
- Collaborate across campus representing the department

Minimum Qualifications:

- Ph.D. in Business/Data Analytics, Operations Management, Operations Research, Industrial Engineering, or a closely related data-analytics discipline from an accredited program by the time the appointment begins
- Commitment to excellence in teaching and curriculum development at both the undergraduate and graduate levels
- Commitment to diversity, inclusion, and accessibility
- Associate Professor candidates should have a national reputation and a substantial record in research, teaching and/or service. Full Professor candidates should have an established international reputation and evidence of interdisciplinary research. In addition, evidence of externally funded research will be important for appointments with tenure.

Preferred Qualifications:

- Successful record of teaching and research obtained via academic research, college-level teaching and/or industry or national lab experience
- Demonstrated success in securing externally funded grants and contracts
- Demonstrated record of research publications in peer-reviewed journals and conference proceedings

About Mines & Golden, CO



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Colorado School of Mines is a top-ranked public university solving the grand challenges facing our society, particularly those related to the Earth, energy and the environment. Founded in 1874 with specialties in mining and metallurgy, Mines' scope and mission have continually expanded to meet the needs of industry and society. Today, we are the No. 38 public university in the nation, recognized for our innovation and undergraduate teaching in science, technology engineering and math (U.S. News and World Report, 2023).

Mines graduates are change makers, boundary breakers and problem solvers. Since our earliest days, a Mines education has been and continues to be a transformational opportunity, with one of the strongest returns on investment out there for talented STEM students of all backgrounds.

At the same time, Mines faculty members are pushing their fields in new directions, whether that's manufacturing, space resources, quantum engineering, carbon capture or more. Mines was recently classified as a R1 "Very High Activity" research institution by Carnegie, a notable feat for any university but particularly one of our size.

Are you looking for an inspiring, mission-driven workplace where you can contribute to solving the world's problems and educating the next generation of change makers? Are you an individual who values a diverse and inclusive community, where our different perspectives, experiences and cultures enrich the educational and work experience?

Equal Opportunity

Mines' commitment to nondiscrimination, affirmative action, equal opportunity and equal access is reflected in the administration of its policies, procedures, programs and activities and in its efforts to achieve a diverse student body and workforce.

Through its policies, procedures and resources, Mines complies with federal law, Colorado state law, administrative regulations, executive orders and other legal requirements to prevent discrimination (including harassment or retaliation) within the Mines campus community and to address potential allegations of inequity or concerns for safety.

Annual Rate



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- Assistant Professor: \$119,185 - \$144,088
- Associate Professor: \$121,763 - \$161,632
- Professor: \$144,968 - \$226,023

Mines takes into consideration a combination of candidate's education, training and experience as well as the position's scope and complexity, the discretion and latitude required in the role, work location, and external market and internal value when determining a salary level for potential new employees.

Colorado School of Mines offers a robust portfolio of benefits for all employees.

For this role, that includes:

- Flexible health and dental care options
- Generous sick/vacation time: 13 paid holidays per year – including a week-long winter break for entire campus.
- Fully vested retirement plan on first day of employment, with generous employer contribution
- Tuition benefits (6 credits per year for employees, 50 percent discount for dependents)
- Free RTD Ecopass
- All Mines employees also have access to discount programs through the State of Colorado and free tickets for Mines Athletics home games, as well as access to the state-of-the-art Recreation Center (fitness classes and training, swimming pool and more) and equipment rentals through the Outdoor Rec Center. We are proud to have recently opened an on campus daycare center. For more details about benefits at Mines, visit www.mines.edu/human-resources/benefits.

How to Apply

Interested applicants should apply online as soon as possible but before October 31, 2024. The search committee will start reviewing applications on November 1, 2024. If you submit your application after October 31, 2024, it may or may not be considered.



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How to Apply: Applicants must submit (1) a letter of application, (2) a statement of research experience and interests (not to exceed 2 double-spaced pages) (3) a statement of teaching experience and interests (not to exceed 2 double-spaced pages), 4) statement on contributions to diversity and inclusion, describing your past experiences and proposed activities to advance access, inclusion, and diversity at Mines (not to exceed 2 double-spaced pages), and (5) a curriculum vitae. References will not be contacted until later in the selection process and applicants will be informed before that contact is made. Applicants should indicate their desired ranking in their letter of application.

Research Statement: Candidates should describe how their research relates to and complements research activities and expertise at Mines, its expected scholarly and societal impact, its relevance to Mines' goals (e.g., earth, energy, and environment), and current or future connections to industry and/or opportunities for entrepreneurship. The statement should cover both the candidate's past history of successful research as well as their plans for future research at Mines, and their plans for obtaining external funding for that future research. Candidates should also be sure to describe any transdisciplinary aspects of their research. (For more information visit <https://www.mines.edu/president/planning/>.)

Teaching Statement: Mines is committed to high-quality, hands-on, and project-based learning. Additionally, Mines is growing its online MS non-thesis degree programs. Candidates should cover their in-person and hands-on teaching pedagogy and be prepared to describe any experience they have in online education.

Contributions to Diversity, Equity, and Inclusion: Candidates should submit a statement on Contributions to Diversity and Inclusion. Mines is committed to access, inclusion, and diversity and is actively developing a strategic plan to advance Diversity, Inclusion, and Access (for more information visit <https://www.mines.edu/about/diversity-and-inclusion/>). The diversity and inclusion statement should describe your past experience and should propose concrete research, teaching, and/or service activities that will advance access, inclusion, and diversity at Mines and beyond.

Contact Dorie Gelber, Human Resources, at dorie.gelber@mines.edu with any questions about this opportunity.



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Background Investigation Required Prior to Start

Accommodations - It is the intent of Mines to comply with the applicable requirements of the Americans with Disabilities Act and the Americans with Disabilities Act Amendments Act of 2008, and their implementation rules and regulations, in support of equal opportunities for qualified applicants with disabilities to promote diversity and inclusion at Mines. To meet this goal, Mines will make reasonable accommodations during the employment selection process and within our working environment.

If you are a qualified individual with a disability or a disabled veteran, you may request a reasonable accommodation if you are unable or limited in your ability to access job openings or apply for a job on our site as a result of your disability. You can request a reasonable accommodation by contacting our Human Resources team at hr@mines.edu or 303.273.3250 for assistance.

Colorado's premier engineering and applied science university for 150 years and counting