



## **Assistant Professor of Chemical Engineering**

The Chemical Engineering Department at the New Mexico Institute of Mining and Technology (New Mexico Tech) invites applications for a tenure-track Assistant Professor of Chemical Engineering to start in the Fall semester of 2023. Required qualifications include: [1] A Ph.D. in Chemical Engineering or related fields. A BS in Chemical Engineering is strongly preferred; [2] an ability to establish an independent, externally funded, and collaborative research program supporting graduate and undergraduate students at a small institution; [3] an ability to teach introductory and intermediate-level Chemical Engineering courses, as well as graduate courses in the applicant's area of expertise; [4] an ability to support student academic success by engaging and encouraging students from diverse academic, socioeconomic, and cultural backgrounds.

New Mexico Tech is a STEM-focused, research-oriented, public, Hispanic-serving institution. The department promotes an outstanding educational environment for students; thus, applicants are expected to demonstrate an interest and commitment to excellence in teaching undergraduate and graduate courses. Applicants are expected to demonstrate potential for developing a high-quality research program that contributes to the advancement of our chemical engineering department. Applicants representing all areas of chemical engineering research are encouraged to apply.

Our department offers a highly collegial and collaborative culture, with broad interdisciplinary research. The department's research strengths are in renewable energy, multi-scale and multi-physics modeling, polymer science, catalysis and reaction engineering, and biomedical engineering. Opportunities exist to collaborate with the Chemical Engineering faculty and with other faculty on campus from various programs. Opportunities to develop strong collaborations with nearby Sandia and Los Alamos National Laboratories exist.

We offer BS, MS, and Ph.D. as well as a professional Master's degree in Chemical Engineering. We look forward to learning how the applicant's values, experiences, or future plans for teaching, research, and service would support our commitment to diversity, equity, and inclusion. We are a small and friendly department, with leadership committed to enabling healthy work-life balance. We would like to recruit a new colleague with enthusiasm for inclusive mentoring of both graduate and undergraduate students.

New Mexico Tech continues to top the College Factual rankings as New Mexico's Best College, College with the Best Academics, Best Value College, and New Mexico's Top Public University. Tech was also ranked the #4 Best Hispanic-Serving University in America. New Mexico Tech sends a higher fraction of its students on to graduate work than almost all other public institutions in the US. New Mexico Tech ranked among top 50 U.S. baccalaureate-origin institutions of S&E doctorate recipients from 2010–20. New Mexico Tech is a federally-designated Hispanic Serving Institution, and roughly 1/3 of our faculty and majors are female. The department and campus are

small and collegial with roughly 1300 undergraduates and 500 graduate students in science and engineering. Socorro is a town of 9000 people one hour south of Albuquerque. It provides a low cost of living (median home price < 50% of US average) and surprising amenities for a town of its size. NMT supports work-life balance via extended tenure clocks for growing families and on-campus childcare.

For full consideration please apply by November 20th, 2022. Candidates must apply by e-mail, attaching a **single PDF document** that incorporates **all** of the following: [1] cover letter stating how the applicant's experience, interests, and strengths align with the required qualifications of the position at New Mexico Tech; [2] curriculum vitae (CV); [3] research statement that includes interests and approach as well as specific research plans (3–6 pages); [4] teaching statement that includes instructional experience, a list of courses the applicant would be comfortable teaching, and approach to engaging and encouraging diverse populations of students (2 pages); [5] diversity statement indicating how the applicant would contribute to an institutional environment promoting equitable and inclusive education as well as student success (1 page); and [6] list of three to five professional references, including at least three who are willing to provide letters upon request. Please do not include transcripts, publications, or other materials not requested above. Materials should be sent to [nmtjobapps@npe.nmt.edu](mailto:nmtjobapps@npe.nmt.edu) c/o Rosa Jaramillo and copied to [kimberly.royle@nmt.edu](mailto:kimberly.royle@nmt.edu), with “**Chemical Engineering faculty application 2023**” in the e-mail subject line. For additional information please see the department's web page <https://www.nmt.edu/academics/chemeng/index.php>, or contact the search committee chair Prof. Sanchari Chowdhury (email ID: [sanchari.chowdhury@nmt.edu](mailto:sanchari.chowdhury@nmt.edu)).

New Mexico Tech is committed to creating a community in which a diverse population can learn, live, and work in an atmosphere of tolerance, civility, and respect for the rights and sensibilities of each individual. New Mexico Tech is an Equal Opportunity Employer. All those interested in the position are encouraged to apply, including women, individuals from marginalized groups, and persons with disabilities.

Excellent benefits (health, vision, dental), tuition fee waiver, a generous retirement plan, and access to a childcare center on campus.

New Mexico Tech is located in Socorro, in the scenic Rio Grande River Valley of central New Mexico, 75 miles south of Albuquerque with its many attractions, and 139 miles south of Santa Fe. Nearby mountains and desert canyons provide opportunities for excellent hiking, climbing, and mountain biking. The Bosque del Apache National Wildlife Refuge, located just south of Socorro along a major north-south flyway, offers some of the best birding in the USA.