

Tenure-Track Assistant or Associate Professor in Northwestern University Department of Materials Science and Engineering

Position

Tenure-Track Assistant or Associate Professor in Materials Science and Engineering

Statement of Duties

The successful candidate will be responsible for carrying out research, teaching, and service while building a vibrant research program that contributes to the department's mission and is committed to supporting diversity, equity, and a community of inclusion.

Minimum Quantifications and Other Credentials

Assistant Professors

- A PhD in Materials Science and Engineering, Physics, Chemistry, Chemical Engineering, Mechanical Engineering, or a related field by the time of appointment
- A robust research and publication track record

Associate Professors

- A PhD in Materials Science and Engineering, Physics, Chemistry, Chemical Engineering, Mechanical Engineering, or a related field by the time of appointment
- An excellent teaching and mentoring track record
- Demonstrated leadership in research and excellent publication track record
- Demonstrated professional service

Rank/Title

Assistant or Associate Professor

Information on Position

The Department of Materials Science and Engineering (MSE) at Northwestern University, Evanston, IL, invites applications for two full-time tenure-track faculty positions to be filled at the Assistant or Associate Professor level. Candidates are sought in all fields of experimental, computational, or theoretical materials science and engineering. Candidates should have a demonstrated ability to conduct high-impact research that will broaden the discipline and reflects the future of the field. Candidates are sought who pursue materials research and engineering to solve some of the world's most difficult energy, climate, health, computing, and communication challenges. The MSE Department is dedicated to building a diverse community and strongly encourage applications from underrepresented groups. Northwestern University recognizes that attracting world-class faculty may require addressing dual-career needs and has in place policies to promote work-life balance. We welcome qualified international applicants.

The first academic department of its kind in the world, the Department of Materials Science and Engineering at Northwestern University leads the field in materials innovation and education. Driven by curiosity and the thrill of discovery, faculty members use a transdisciplinary approach to connect fundamental science with engineering research, enabling technologies that improve our lives. The MSE Department consists of 21 faculty members, and over 200 graduate students, 70 post-doctoral scholars, and 100 undergraduates. Research programs span many sub-disciplines of materials science and engineering that extend beyond traditional MSE boundaries with more than \$36 million in research expenditures in 2020. Faculty collaborate across departments in the McCormick School of Engineering, the Weinberg College of Arts and Sciences, and the Feinberg School of Medicine and outside institutions, such as the Art Institute of Chicago and nearby national laboratories, including Argonne National

Laboratory, home of the Advanced Photon Source and the Center for Nanoscale Materials, and Fermilab, home of America's particle physics and accelerator laboratory. The MSE Department is home to state-of-the-art facilities for characterization, synthesis, and nanofabrication and incubates interdisciplinary collaborations through convergence research. The MSE Department anchors key federally and privately sponsored centers and institutes, including the NSF Materials Research Science and Engineering Center (MRSEC), NIST Center for Hierarchical Materials Design (CHiMaD), Simpson Querrey Institute (SQI), International Institute for Nanotechnology (IIN), Institute for Sustainability and Energy (ISEN), and the NU Technology Accelerator.

Proposed Start Date

September 1, 2022 (negotiable)

Closing Date for Receipt of Applications

Application review will begin on November 19, 2021 and will continue until the positions are filled.

Contact Info (including where applicant should send package)

Please submit applications online at <https://bit.ly/NU-MSE-FacSearch>. For more information about the Department of Materials Science and Engineering, visit our website at <https://www.mccormick.northwestern.edu/materials-science>. Address all inquiries to Professor James Rondinelli, Chair of the Search Committee or to Ms. Elena Lindstrom, Coordinator of the Search Committee at msefacsearch@northwestern.edu.

Application Materials

Applicants must apply online and upload the following application materials

- A Cover Letter (1-page limit) that summarizes the applicant's (i) research and teaching accomplishments, (ii) vision for their future research program and its connection to activities ongoing at Northwestern, and (iii) approach to contributing to a diverse and inclusive learning environment
- Curriculum Vitae
- Research Statement (5-page limit)
- Teaching Experience and Mentoring Statement (2-page limit)
- A Contribution to Diversity, Equity and Inclusion Statement outlining in less than 500 words how the candidate currently promotes diversity, equity and an inclusive environment through their research, teaching, and service in their current position and how they would continue this work at Northwestern to fulfill the department's DEI mission described at <https://www.mccormick.northwestern.edu/materials-science/diversity>
- A Contribution to Department Vision Statement describing in less than 500 words how the candidate will promote the department's vision of "Working together to be the world's leading institution in materials innovation and education" through post tenure research activities supporting interdisciplinary and transdisciplinary research.
- 3 Letters of Recommendation (Recommendation letters will be automatically solicited from the letter writers by email after their names are entered in the online application system. Letters are required by the time of application review.)

EEO Statement

Northwestern University is an equal opportunity, affirmative action employer and does not discriminate against qualified individuals on the basis of race, color, religion, national origin, sex, pregnancy, sexual orientation, gender identity, gender expression, parental status, marital status, age, disability, citizenship status, veteran status, genetic information, or any other protected class. Individuals from all diverse

backgrounds are encouraged to apply. Hiring is contingent upon eligibility to work in the United States, but the University will consider applicants who require sponsorship for employment visa status.

For more information, please see the University's Policy on Discrimination and Harassment at <https://www.northwestern.edu/equal-opportunity-access/policies/policy-discrimination-harassment.html>.