



## **Faculty Position: Assistant Professor/Associate Professor**

Quick Link to Apply: <https://jobs.untsystem.edu/postings/62013>

The University of North Texas (UNT) seeks outstanding applicants for a tenure track position in Materials Science and Engineering (MTSE). Applicants are sought at the Assistant/Associate Professor level in the area of materials for advanced rechargeable batteries. Areas of interest include but are not limited to advanced batteries (e.g., solid state, metal-air, multivalent cation, batteries under extreme conditions, thin film batteries) and other next generation battery materials synthesis, discovery and optimization, mechanisms in batteries, in-situ and in-operando physical, electrochemical, electron microscopy and other advanced characterization methods. A successful candidate must be capable of developing a strong externally funded research program and have a strong interest in both undergraduate and graduate teaching and mentoring. Salary, benefits, and teaching load typical for a major research university can be expected.

Applicants must have an earned doctorate in Materials Science and Engineering or a closely related field, and have demonstrated extensive research experience in one or more of the following specific areas: advanced rechargeable batteries, battery materials, electrochemistry, computational methods for materials discovery, and in-situ and post-mortem characterization. Preference will be given to applicants who can provide detailed collaboration plans with-UNT faculty. Further, candidates should have postdoctoral experience and have at least one degree from a US institution.

UNT is ranked among the nation's 131 top-tier research universities and is categorized as a Minority Serving Institution (MSI), that is building a Center for Agile and Adaptive Additive Manufacturing (CAAAM), a State of Texas funded multi-million-dollar initiative with a multi-disciplinary, and Advanced Materials and Manufacturing Processes Institute (AMMPI), a research institute which is focused to test, develop and process next-generation materials via rapid combinatorial assessment and advanced processing technologies. A successful candidate will work closely with the CAAAM and AMMPI associated faculty and researchers in multidisciplinary areas complementary to advanced rechargeable batteries, materials, and characterization.

Applicants must apply online at <http://facultyjobs.unt.edu>. Submit a cover letter, a curriculum vitae, a statement of teaching interests, research plans, and the name and contact information of three professional references. Screening of applications will begin on August 29, 2022 and will continue until the search is closed.

The University of North Texas System and its component institutions are committed to equal opportunity and comply with all applicable federal and state laws regarding nondiscrimination and affirmative action. The University of North Texas System and its component institutions do not discriminate on the basis of race, color, sex, sexual orientation, gender identity, gender expression, religion, national origin, age, disability, genetic information, or veteran status in its application and admission processes, educational programs and activities, and employment practices.



**Minimum Qualifications:**

Applicants must have an earned doctorate in Materials Science and Engineering, or a closely related field, postdoctoral experience, and have demonstrated experience and expertise in rechargeable batteries, battery materials, battery design and construction, and physical and electrochemical characterization. For the Assistant Professor position, a strong publication record and the potential to succeed in securing external research funding and mentoring graduate students are required. For the Associate Professor position, a sustained record of high-quality technical publications, advising graduate students, mentoring post-doctoral research associates and senior researchers, providing service to the University and the profession, and securing external funding for research activities (ideally with current research funding) are also required.