

Position Title: Open Rank Tenure System Positions – Assistant, Associate or (Full) Professor in Open Area - College of Engineering

<https://careers.msu.edu/en-us/job/516507/assistantassociatefull-professor-tenure-system>

The Department of Chemical Engineering and Materials Science (CHEMS) is seeking applications for an open-rank tenure system faculty position. All areas of research specialization will be considered.

Position Summary

The College of Engineering at Michigan State University (MSU) invites applications in all areas related to Chemical Engineering (CHE) and Materials Science & Engineering (MSE) for an open-rank, tenure-system faculty position. Candidates must have a doctorate in chemical engineering, materials science, or a closely related discipline at the time of appointment, with an anticipated start date of August 16, 2024.

The candidate will be expected to develop or maintain a highly-recognized, externally-funded research program and teach MSE or CHE courses at both the undergraduate and graduate levels. All areas of research specialization will be considered. Other qualifications include strong leadership and interpersonal skills, excellent written and oral communication skills, an ability to work in a collaborative research environment, and a commitment to promoting and embracing diversity. Joint appointments with other engineering departments are possible considering existing strengths and capabilities as well as the candidate's preferences. Successful candidates will be appointed to an academic-year position in the tenure system, with tenure if appropriate. Successful candidates are expected to elevate the reputation of MSU through their professional activities. Those who conduct research in Chemical Engineering and Material Science that enhance or are related to aspects of inclusion and equity are of high interest.

Advancing, disseminating, and applying engineering knowledge has been the focus of the MSU College of Engineering for more than 130 years. The mission of the college is to deliver the highest-quality engineering graduates, cutting-edge research, and innovative technology for the benefit of society locally and globally. The college carries out its mission through educational and research programs over eight departments tackling interdisciplinary themes such as computational sciences, energy, health, manufacturing, materials, mobility, security, and sustainability with research expenditures totaling \$50 million annually.

Tenure-system faculty within the College are expected to establish a vibrant, sustainable, and highly visible research program; make significant scholarly contributions to their disciplines; be effective teachers and mentors of both undergraduate and graduate students; and engage in institutional and professional service as well as public outreach. The departments and college have strong track records of mentoring junior faculty to successfully grow their academic careers.

MSU is an R1 university that enjoys a park-like campus with some outlying research facilities and natural areas. The campus is in the city of East Lansing, adjacent to the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 541,000.

Local communities have excellent school systems and place a high value on education. Michigan State University is proactive in exploring opportunities for employment for dual-career couples, both inside and outside the University. Information about MSU's dual-career support can be found at <https://worklife.msu.edu/dual-career>. Information about WorkLife at MSU and the College of Engineering can be found at <https://worklife.msu.edu/> and <https://www.egr.msu.edu/about/resources/faculty-staff/worklife-at-engineering>.

Required Degree

Doctorate – Chemical Engineering, Materials Science, or a closely related discipline

Equal Employment Opportunity Statement

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship, disability or protected veteran status.

Required Application Materials

Interested individuals should apply for this position through <http://careers.msu.edu> and refer to posting #904470. Applicants must submit the following items: 1) a detailed resume, 2) a cover letter summarizing their qualifications, 3) a vision statement for teaching, 4) a vision statement for research, 5) a vision statement for diversity, equity, and inclusion including the individual's awareness/education in DEI; examples of work conducted; the assessment of that work; and outcomes and demonstrated impact of that work and 6) names and contact information for at least three professional references. Items 3, 4, and 5 should be limited to one page each. Candidates are encouraged to describe the potential impacts of their work and how it complements existing strengths within the Department, College, or other programs at MSU. Data indicates a paucity of underrepresented minorities and women faculty in Chemical Engineering and Materials Science, individuals in these areas are strongly encouraged to apply.

Review of applications will begin on December 1, 2023, and continue until the position is filled. Questions about this position are welcome and should be directed to the search committee chair by email at rlunt@egr.msu.edu.

Department Statement

The Chemical Engineering and Materials Science (CHEMS) department comprises 31 tenure-system faculty members, three teaching faculty, and approximately 480 graduate and undergraduate students. Both the MSE and CHE programs offer degrees at the BS, MS, and PhD levels. Faculty in the department engage in instruction and perform cutting-edge research in a variety of areas including biomaterials, biomolecular engineering, catalysis, computational modeling, diamond and carbon-based electronics, electrochemical systems, electric vehicles, energy systems, lightweight metals and advanced structural alloys, materials for energy conversion and storage, nanomaterials, polymers, polymer composites, renewable chemicals, and semiconductors. Shared research facilities are available across campus for carrying out state-of-the-art experimental and computational studies in MSE, CHE, and related disciplines.

MSU Statements

Michigan State University has been advancing the common good with uncommon will for more than 160 years. One of the top research universities in the world, MSU pushes the boundaries of discovery and forges enduring partnerships to solve the most pressing global challenges while providing life-changing opportunities to a diverse and inclusive academic community through more than 200 programs of study in 17 degree-granting colleges.