

Open Rank Professor of Materials Engineering San Jose State University

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Posted Oct. 22, 2024, set to expire Feb. 23, 2025

Job Title	Open Rank Professor of Materials Engineering
Department	Chemical and Materials Engineering https://www.sjsu.edu/cme/
Institution	San Jose State University San Jose, California
Date Posted	Oct. 22, 2024
Application Deadline	Open until filled
Position Start Date	Aug. 15, 2025
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Material/Metallurgy Chemical/Petroleum
Job Website	https://jobs.sjsu.edu/en-us/job/543629/open-rank-professor-of-materials-engineering
Apply By Email	
Job Description	

Position Description

The Department of Chemical and Materials Engineering at San José State University invites applications for one tenured/tenure-track position in Materials Engineering. Excellence in teaching and research at both the undergraduate and master's (M.S.) level is expected. The candidate will be teaching undergraduate and graduate courses. The candidate must be able to adapt their teaching methods to a variety of learning environments, including online instruction. The successful candidate

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will develop a robust research program engaging undergraduate and graduate (M.S.) students.

The Department of Chemical and Materials Engineering, College of Engineering, and San José State University value diversity, equity, inclusion, and belonging. The Materials Engineering program strives to provide broad access to the highest quality education in materials at the bachelor's and master's degree levels. To achieve this ambitious goal, we have crafted a curriculum affording our diverse students access to expert instructors in via classroom courses, hands-on laboratory courses, and research laboratories.

Our excellence in teaching, research, and service can only be fully realized by faculty, students, and staff who share our commitment to these values. SJSU enrolls more than 36,000 students, many of whom are historically underserved. In addition, around 45% of our students are first-generation and 38% are Pell-recipients. SJSU is a Hispanic Serving Institution (HSI) and Asian American and Native American Pacific Islander Serving Institution (AANAPISI). The university's commitment to social justice extends from its vibrant, inclusive campus to an international network of over 275,000 alumni. As such, San José State is committed to increasing the diversity of its faculty so our disciplines, students, and the community can benefit from multiple ethnic and gender perspectives.

Successful candidates will demonstrate evidence of a commitment to equity and inclusion through their teaching, research, and/or service. We ask that all applicants include a Diversity Statement with their application package. A guide to writing this statement can be found at SJSU Diversity Statement Guidelines, along with information about how these statements will be evaluated.

Required Qualifications

- Ph.D. in Materials Engineering or related engineering discipline
- A record of or strong potential for scholarly agenda and teaching effectiveness appropriate to the candidate's academic rank and area of expertise
- Applicants should demonstrate an awareness of and sensitivity to the educational goals of a socially and economically diverse student population as might have been gained in cross-cultural study, training, teaching, and other comparable experience

Preferred Qualifications

- B.S. or M.S. in Materials Engineering or Chemical Engineering

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- 1-3 years of Postdoctoral experience or equivalent in academia or industry
- Research interest and experience in Computational Materials Engineering including Artificial Intelligence/Machine learning applications, Quantum computing, Semiconductor and electronic materials, etc.
- Experience mentoring undergraduate and/or graduate research students.
- Experience adapting teaching methods to a variety of learning environments, including online instruction

Key Responsibilities

- The candidate will teach courses, including laboratory courses, graduate courses and service courses as needed by the department.
- The candidate must develop a research program that incorporates undergraduate and M.S. students
- The candidate must submit grant proposals and manuscripts to peer reviewed research journals.
- The candidate will participate in shared governance, usually by working in department, college, and university committees and other service assignments such as advising, assessment and lab coordination.
- The candidate must demonstrate awareness and experience in understanding the needs of a student population of great diversity – in age, abilities, cultural background, ethnicity, religion, economic background, primary language, sexual orientation, gender identity, and academic preparation – through inclusive course materials, teaching strategies and advisement.

Other Duties

Note that all San José State University employees are considered mandated reporters under the California Child Abuse and Neglect Reporting Act and are required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

Pursuant to the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (Clery Act) and CSU systemwide policy, some faculty duties may lead to designation as a Campus Security Authority (CSA). CSAs are required to complete Clery Act training and to immediately report Clery incidents to the institution.

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Application Procedure

Click Apply Now to complete the SJSU Online Employment Application and attach the following documents by the deadline to receive full consideration.

- Letter of interest (1-2 pages)
- Curriculum vitae – Please indicate any student mentoring experience.
- Diversity statement (1 page)
- Statement of teaching philosophy/interests (2 page limit) – We encourage applicants to review the url below and identify courses they feel well qualified to teach.

https://catalog.sjsu.edu/preview_program.php?catoid=10&poid=9297&returnto=5291

- Research plan (3 page limit excluding bibliography) – Include how undergraduate and M.S. students will be involved in your research plans.
- Three reference letters
- Undergraduate and graduate transcripts (unofficial copies accepted for application)

Please do not include any additional materials without first consulting with the Chair of the Recruitment Committee. Inquiries may be directed to Dr. Anand Ramasubramanian at anand.ramasubramanian@sjsu.edu

Conditional Offer

The work for this faculty position is located in the State of California. Employment is contingent upon proof of eligibility to work in the United States. Proof of immunization and booster shots against COVID-19 or proof of a medical or religious exemption and compliance with testing protocols is required for employment. Satisfactory completion of a background check (including a criminal records check) is required for employment. SJSU will make a conditional offer of employment, which may be rescinded if the background check reveals disqualifying information, and/or it is discovered that the candidate knowingly withheld or falsified information. Failure to satisfactorily complete the background check may affect the continued employment of a current employee who was conditionally offered the position.

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EEO/AA Policy

San José State University: Silicon Valley's Public University

Located in the heart of Silicon Valley — one of the most innovative regions in the world — San José State University is the founding campus of the 23-campus California State University (CSU) system and the first public university in the West. Recognized as a leading transformative educational institution, San José State is an essential partner in the technological, economic, cultural, and social development of Silicon Valley, the Bay Area, and California. SJSU is a top-200 school nationally in research funding and second highest in research productivity in the CSU system. Cutting-edge research, world-class scholarship, student-centered learning, diverse communities, and commitment to social justice, allow SJSU to provide life-changing opportunities and advance the public good locally and globally.

Equal Employment Statement

San José State University prohibits discrimination on the basis of Age, Ancestry, Caste, Color, Disability, Ethnicity, Gender, Gender Expression, Gender Identity, Genetic Information, Marital Status, Medical Condition, Military Status, Nationality, Race, Religion, Religious Creed, Sex, Sexual Orientation, Sex Stereotype, and Veteran Status. This policy applies to all San José State University students, faculty, and staff as well as University programs and activities. Reasonable accommodations are made for applicants with disabilities who self-disclose.

Campus Security and Fire Safety Notification

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Pursuant to the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, the Annual Security Report (ASR) is also now available for viewing at <https://www.sjsu.edu/clery/docs/SJSU-Annual-Security-Report.pdf>. The ASR contains the current security and safety-related policy statements, emergency preparedness and evacuation information, crime prevention and Sexual Assault prevention information, and information about drug and alcohol prevention programming. The ASR also contains statistics of Clery crimes for San José State University locations for the three most recent calendar years. A paper copy of the ASR is available upon request by contacting the Office of the Clery Director by phone at 408-924-1501 or by email at clerycompliance@sjsu.edu.

Pursuant to the Higher Education Opportunity Act, the Annual Fire Safety Report (AFSR) is available at <https://www.sjsu.edu/clery/docs/SJSU-Annual-Fire-Safety-Report.pdf>. The purpose of this report is to disclose statistics for fires that occurred within SJSU on-campus housing facilities for the three most recent calendar years, and to distribute fire safety policies and procedures intended to promote safety on Campus. A paper copy of the AFSR is available upon request by contacting the Housing Office by phone at 408-795-5600 or by email at uhs-frontdesk@sjsu.edu.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Anand Ramasubramanian
Chemical and Materials Engineering
San Jose State University
San Jose, CA 95192

Phone Number 4089243922

Contact E-mail anand.ramasubramanian@sjsu.edu