

Assistant Professor in Materials Engineering (Metallurgy)

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Work type: Instructional Faculty – Tenured/Tenure-Track

Location: San Luis Obispo

Categories: Unit 3 - CFA - California Faculty Association, Tenured/Tenure-Track, Full Time, Faculty - Engineering

CAL POLY

The Materials Engineering Department in the College of Engineering at California Polytechnic State University, San Luis Obispo, is seeking an Assistant Professor in Materials Engineering. The faculty position is primarily focused on metallurgy and the practical application of metals to industry.

At California Polytechnic State University, San Luis Obispo, we believe that cultivating an environment that embraces and promotes diversity is fundamental to the success of our students, our employees, and our community. Bringing people together from different backgrounds, experiences, and value systems fosters the innovative and creative thinking that exemplifies Cal Poly's values of free inquiry, cultural and intellectual diversity, mutual respect, civic engagement, and social and environmental responsibility. Cal Poly's commitment to diversity informs our efforts in recruitment, hiring, and retention. California Polytechnic State University is an affirmative action/equal opportunity employer.

REQUIRED QUALIFICATIONS

Candidates must hold a Ph.D. in Materials Science and Engineering or related field. The successful candidate will be proficient in teaching basic and advanced metallurgy courses and involved in scholarly activity (research) in the metallurgy area. They will have a demonstrated record of promoting diversity and inclusivity in undergraduate education as well as a dedication to the well-being and advancement of students, colleagues and the department.

Demonstrated experience and commitment to student-centered learning and teaching, as well as the ability to collaboratively work in multidisciplinary settings, is required. Demonstrated proficiency in written and oral use of the English language is required.

PREFERED QUALIFICATIONS

Highly desired expertise areas include: ferrous metals, nonferrous metals, corrosion, welding and advanced joining, physical metallurgy, metallurgical thermodynamics and kinetics, metals processing (including but not limited to additive manufacturing, liquid metal processing, metal

deformation processing), heat treatment, and the detailed connections between alloy microstructures and resulting properties.

An undergraduate MSE degree is also preferred.

Cal Poly's College of Engineering is committed to creating and sustaining a diverse university community that reflects and serves the population of California. Applicants must submit a diversity statement that displays evidence of the applicant's ability to support a diverse and inclusive environment including implementing inclusive classroom environments, mentoring students with diverse backgrounds, outreach to underrepresented student populations, implementing bias mitigation, and previous professional development in diversity and inclusion topics.

SPECIAL CONDITIONS

The person holding this position is considered a 'mandated reporter' under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

Following a conditional offer of employment, a background check (including a criminal records check) must be completed satisfactorily before any candidate may start work with Cal Poly, San Luis Obispo. Failure to satisfactorily complete the background check may result in the withdrawal of the offer of employment. Note: Cal Poly cannot deny an applicant a position solely or in part due to a criminal conviction history until it has performed an individualized assessment and linked the relevant conviction history with specific job duties in the position being sought.

Please note: Current employees who are offered positions on campus will be required to undergo a background check for any position where a background check is required by law or that Cal Poly has designated as sensitive. Sensitive positions are those requiring heightened scrutiny of individuals holding the position based on the potential for harm to children, concerns for the safety and security of people, animals, or property, or heightened risk of financial loss to Cal Poly or individuals in the university community.

For health and well-being, Cal Poly is a smoke & tobacco-free campus. The university is committed to promoting a healthy environment for all members of our community.

The California State University system is requiring that all employees and students accessing campus be fully vaccinated against the coronavirus by September 20, 2021. Accordingly, you may be required to show proof of vaccination by your start date. You can find more information [here](#).

ABOUT THE DEPARTMENT

The MATE Department is a relatively small and dynamic community of collaborators meeting the technical challenges of the twenty-first century and contributing to our College's vision of

leading engineering education. We emphasize excellence and innovation in teaching, collaboration, and collegiality.

HOW TO APPLY

Interested candidates must attach (1) a cover letter, (2) curriculum vitae, (3) a statement on teaching, (4) a statement on research, and (5) a statement on Diversity as described in the preferred qualifications section above. Please be prepared to provide three professional references with names and email addresses when completing the online faculty application. Review of applications will begin December 1, 2021 and will continue until the position is filled.

Advertised: September 13, 2021 (9:00 AM) Pacific Daylight Time

Applications close: Open Until Filled