



CALIFORNIA  
STATE UNIVERSITY  
NORTHRIDGE

## FACULTY POSITION OPENING

**College (Departments):** Science and Math (Chemistry and Biochemistry, Physics and Astronomy); Engineering and Computer Science (Manufacturing Systems Engineering & Management)

**Rank:** Assistant Professor, Tenure Track

**Effective Date of Appointment:** August 23, 2017  
(Subject to Budgetary Approval)

**Salary:** depending on qualifications

In the past two decades, hiring faculty en masse into multiple departments / colleges, or “cluster” hiring, has emerged as a practice to successfully bring on board a critical mass of interdisciplinary faculty. Cluster hiring has also been used to address other needs such as fostering interdisciplinary collaborations, launching new initiatives, broadening engagement with the community, and enhancing inclusivity. Our cluster consists of three (3) faculty members formed to support interdisciplinary scholarship under the general umbrella of “Materials Science and Engineering”. It is anticipated that these faculty will develop new areas of inquiry showing promise of future scholarly activity that places CSUN in a strategic position of strength. Cluster faculty will be expected to engage in cross-departmental and cross-college interdisciplinary scholarship.

### Qualifications:

California State University, Northridge is seeking to hire three (3) full-time tenure track appointees at the rank of Assistant Professor. The Departments participating in the recruitment process are Chemistry and Biochemistry, Physics and Astronomy and Manufacturing Systems Engineering & Management. At least one candidate will be housed in each of the College of Science and Math and the College of Engineering and Computer Science with the third candidate placement to be determined by the qualifications of the applicant. The anticipated start date is August 23, 2017. Applicants must have a Ph.D. in disciplines appropriate for those departments or a related field of study. Evidence of degree award is required by August 22, 2017.

This group will form a nucleus of an advanced Materials team (cluster). This “cluster” will focus on fundamental, theoretical, applied and experimental Materials Science and Engineering subject matter.

The ideal candidates will have a strong interest and training in a subset of the general categories identified below. The areas of interest include, but are not limited to: material development, fabrication and processing; computational materials science; electronic and spintronic materials; energy materials; active materials; advanced materials characterization, materials for additive manufacturing; materials synthesis.

Applicants must provide evidence of outstanding commitment and demonstrated ability to conduct university research and teaching in an environment serving a diverse student population. Applicants

must have a strong background in research. Applicants with university teaching experience at the graduate and/or undergraduate levels are desired.

At the time of appointment, the successful candidate, if not a U.S. citizen, must have authorization from the Bureau of Citizenship and Immigration Services to work in the United States.

**Responsibilities** (or description):

This is an interdisciplinary program involving the College of Science and Mathematics and the College of Engineering and Computer Science. Responsibilities include the development of an actively funded research program of exceptional quality. Successful candidates will be expected to grow a strong record of collaborative, interdisciplinary research, and leverage existing synergies within the involved Departments and Colleges.

Relevant Fields to be impacted by the work of these faculty include: adaptive materials and structures; integrated electrochemical systems; metamaterials; artificial sense organs; polymer processing technology to develop novel electronic and optical devices; microfluidics/biosensing; additive manufacturing; energy generation, conversion & storage.

The selected candidates will have a strong desire to collaborate and develop novel technologies with scientists and engineers from other disciplines at CSUN. A new 10,000 square foot facility will be available for faculty hired under the cluster program. Successful applicants can expect to be mentored by senior faculty from their home department.

Effective teaching; scholarly productivity; and service to the department, university, and/or broader community are expected for retention, tenure, and promotion (RTP).

CSUN values teaching and teaching effectiveness in all of their manifestations. Faculty hired under this program will have minimal traditional teaching assignments. To address the teaching expectations for RTP, faculty in this program will be expected to develop, coordinate, and direct a regular schedule of active learning components that engage students at all levels. It is anticipated that these activities will include journal clubs, research seminars and meetings, guest speakers, workshops, training sessions and other activities important to the success of the cluster. Appropriate assessment activities are to be included with these efforts.

Scholarly productivity is of paramount importance at CSUN. Faculty hired under this program will be expected to initiate, develop and maintain an active and successful funded interdisciplinary research program. It is further expected that the candidate's program will continue to develop and expand throughout their entire career at CSUN.

Service to the department, college, university and broader community is expected.

The successful candidate will be held to the standards and requirements of the college and department in which they are housed for recommending tenure and promotion. The successful candidate will be

expected to join faculty and staff in a commitment to active learning, the assessment of learning outcomes, and multiple pathways that enable students to graduate.

### **How to Apply:**

#### **All application materials must be submitted to:**

<https://apply.interfolio.com/39435>

#### **Application Deadline:**

**Screening of applications will begin January 17, 2017.** Priority will be given to applicants who meet the screening deadline, however, the positions will remain open until filled. Please upload the following documents as PDF files: letter of application, curriculum vitae, three current letters of recommendation (from professional references), research statement, samples of scholarship, and statement of philosophy regarding working with students from diverse backgrounds. Incomplete applications will not be reviewed. In later phases of the search process, applicants may be requested to provide verification of terminal degrees, licenses, and certificates.

#### **About the University:**

Serving more than 42,000 students each year, CSUN is one of the largest universities in the United States, and it has an impact to match its size. Money Magazine recently named CSUN one of the top ten values in all of higher education, and the Social Mobility Index ranked CSUN fifth in the nation for elevating its students' economic and social well-being. CSUN ranks 10<sup>th</sup> in the country in awarding bachelor's degrees to under-represented minority students, fifth nationally in awarding master's degrees to Hispanic students and enrolls the largest number of deaf and hard of hearing students of any U.S. state university. CSUN's 171 academic programs and engaged centers enjoy international recognition for excellence. CSUN currently partners with more than 100 institutions of higher education in 22 countries around the globe and attracts the largest international student population of any U.S. master's level institution. Situated on a 356-acre park-like setting in the heart of Los Angeles' San Fernando Valley, the campus features modern educational buildings and world-class LEED Gold-certified performing arts and recreational facilities recognized as among the best in the country. CSUN is designated as a Hispanic Serving Institution (HSI) and an Asian American, Native American, Pacific Islander Serving Institution (AANAPISI) and we value the diversity of all of our students and the campus community. CSUN is a welcoming university that champions accessibility, academic excellence and student success.

#### **CSUN's Commitment to You:**

CSUN is strongly committed to achieving excellence through teaching, scholarship, active learning and diversity. Our values include a respect for all people, building alliances with the community and the encouragement of innovation, experimentation, and creativity.

As an Equal Opportunity/Affirmative Action Employer, CSUN strives to create a community in which a diverse population can work, teach and learn in an atmosphere of civility and respect for the rights of each individual. We consider qualified applicants for employment without regard to race, color, religion, national origin, national origin, gender, gender identity/expression, sexual orientation, age

disability, genetic information, medical information, marital status, or veteran status. For more information about the University, check out our website <http://www.csun.edu>.

**General Information:**

In compliance with the Annual Security Report & Fire Safety Report of Campus Security Policy and Campus Crime Statistics Act, California State University, Northridge has made crime-reporting statistics available on-line at <http://www.csun.edu/sites/default/clery-report.pdf>. Print copies are available in the library and by request from the Department of Police Services and the Office of Faculty Affairs.

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.

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position within the CSU. Failure to satisfactorily complete the background check may affect the application status of the applicants or continued employment of current CSU employees who apply for the position.

Applicants who wish to request accommodation for a disability may contact the Office of Equity and Diversity, (818) 677-2077. For questions about the online application, please contact Recruitment Services at (818) 677-2512.