

Department: Mechanical Engineering
Faculty Hire Number: 22-07

Effective Date of Appointment: August 24, 2022
(Subject to Budgetary Approval)

Rank: Assistant Professor – Mechanics/Composites

Salary: Dependent upon qualifications

CSUN's Commitment to You:

CSUN is committed to achieving excellence through teaching, scholarship, learning and inclusion. Our values include a respect for all people, building partnerships with the community and the encouragement of innovation, experimentation and creativity. CSUN strives to cultivate a community in which a diverse population can learn and work in an atmosphere of civility and respect. CSUN is especially interested in candidates who make contributions to equity and inclusion in the pursuit of excellence for all members of the university community.

For more information about the University, visit: <http://www.csun.edu>

About the College:

The College of Engineering and Computer Science seeks to be a recognized center for excellence for baccalaureate and master's education in computer science and in engineering and provides quality education for its diverse student population. The College is also a partner in the professional communities of computer science and engineering and provides an essential link between students' education and professional practice.

For information about the College, visit our website at: <https://www.csun.edu/engineering-computer-science>

About the Department:

The mission of the Mechanical Engineering department is to provide a broad, rigorous, application-oriented, and contemporary understanding of mechanical engineering that prepares graduates for successful careers and lifelong learning. The Mechanical Engineering faculty is committed to providing a supportive student-centered environment for their students. The emphasis areas within the department include controls and robotics, energy and thermal-fluid systems, as well as mechanical design. MS programs in each of the areas include the option for a unique thesis experience. The emphasis areas within the department include controls and robotics, energy and thermal-fluid systems, as well as mechanical design.

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Qualifications:

Candidates must have received their Ph.D. degree in Mechanical Engineering, or a closely related discipline, from an accredited institution by the effective date of employment. In addition to a broad background in the discipline of Mechanical Engineering, research interests and experience in the area of solid mechanics are sought, with an emphasis on advanced composite materials, architected and hierarchical materials, or smart materials and adaptive structures. Those specializing in theoretical, computational, and experimental work will all be considered.

Candidates should be able to teach the core content of the Mechanical Engineering curriculum at the undergraduate and graduate levels, as well as possess the ability to develop and supervise hands-on projects for the senior design culminating experience. In line with CSUN's instructional approach, candidates should develop proficiency with learning-centered and active learning strategies, and demonstrate a commitment to implementation of these in the curriculum. Additionally, candidates should demonstrate pursuit of approaches which promote retention of students in traditionally underserved and underrepresented groups.

The ability to develop and conduct an effective multidisciplinary research program in one of the research areas highlighted above should be evident. Candidates are expected to pursue external funding from state, federal, and private entities, supervise student research at the undergraduate and graduate level, and publish in reputable peer-reviewed journals. Candidates must demonstrate a commitment and ability to teach, mentor and work with a diverse student population. Proficiency in both written and oral communication in English is required.

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

Responsibilities:

Teaching responsibilities include instruction in undergraduate and graduate courses, as well as supervision of senior design projects. Active and effective participation in curriculum development, assessment and accreditation, as well as other departmental, college and university service is expected. Initiation and maintenance of creative scholarly activities as well as an externally funded research program are expected. This includes the supervision of student research, including thesis projects at the Master's level. Candidates are also expected to provide academic and professional advisement to undergraduate and graduate students.

The successful candidate will be held to the standards and requirements of the college and department in which he/she is housed for recommending tenure and promotion.

Application Deadline:

Screening of applications will begin **October 15, 2021**. Priority will be given to applicants who meet the screening deadline; however, the position will remain open until filled.

Applicants must submit a cover letter that specifically addresses the following: 1) how you would make a unique contribution to the department; 2) your teaching experience and philosophy; 3) your plans for establishing an independent research program at CSUN; 4) your experience working with a diverse student population. Additionally, applications should include a curriculum vitae, a research statement, and a teaching statement to the address in the section below. In later phases of the search process, applicants may be requested to provide verification of terminal degrees, licenses and certificates, and at least three letters of reference from professional associates.

How to Apply:

Candidates should apply by completing the CSUN online application. To submit an application and for more detailed information on the application and hiring process, please visit this link: www.csun.edu/careers

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 [here](#). Print copies are available by request from the Department of Police Services, the Office for Faculty Affairs, and the Office of Equity and Diversity.

The person holding this position may be 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 with the CSU. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current CSU employees who apply for the position. CSUN is an Equal Opportunity Employer and prohibits discrimination on the basis of race, color, ethnicity, religion, national origin, age, gender, gender identity/expression, sexual orientation, genetic information, medical condition, marital status, veteran status, and disability. Our nondiscrimination policy is set forth in [CSU Executive Order 1096](#). Reasonable accommodations will be provided for applicants with disabilities who self-disclose by contacting the Department of Mechanical Engineering at 818-677-2187.