

Department of Mathematics
College of Natural Sciences and Mathematics
Assistant Professor
Applied Mathematics
Fall 2020

The Department of Mathematics at California State University, Fullerton, invites applications for a tenure-track position in applied mathematics at the Assistant Professor level with appointment to begin in August 2020. Individuals interested in advancing the University's strategic diversity goals are particularly encouraged to apply.

CSUF faculty are committed teacher/scholars who bring research and creative discovery to life for students in classrooms, labs, studios, and individually mentored projects. Candidates for this position should be applied mathematicians with a background in computation, numerical analysis, machine learning, and mathematical modeling (with preference for statistical modeling). Responsibilities include teaching undergraduate and graduate courses in applied mathematics, conducting research resulting in publications in high-quality peer-reviewed journals, directing faculty-student collaborative research, and advising undergraduate students. The successful candidates will contribute to the mathematics community at CSUF through teaching, research, professional activities, and service on departmental and university-wide committees. In particular, they will be expected to solicit industrial consulting projects for students in the graduate program in applied mathematics, mentor the students in completing these projects, and participate in the transdisciplinary Center for Computational and Applied Mathematics (CCAM) within the College of Natural Sciences and Mathematics.

Required Qualifications

The qualified candidate must have a Ph.D. in applied mathematics or a related field, plus at least one year of post-doctoral experience either in research, teaching, or a related industrial field.

Preferred Qualifications

- Demonstrated potential for excellence in teaching at the undergraduate and master's levels
- Ability to communicate effectively with an ethnically and culturally diverse campus community
- Demonstrated a strong commitment to teaching and mentoring a diverse student population
- Transdisciplinary research experience in areas outside of mathematics (e.g., neuroscience, finance, geology, computer science, engineering, etc.)
- Potential to mentor students in research and industrial consulting projects

Mathematics Department

The Mathematics Department has 32 tenured or tenure-track faculty members and offers an undergraduate degree program with concentrations in applied mathematics, statistics, actuarial science, pure mathematics, and teaching mathematics. The department also offers the following degree programs: M.S. in Statistics, M.A. in Applied Mathematics, and M.A. in Teaching Mathematics. Extra-curricular activity is an integral part of our department culture. We maintain a strong student research presence at the Joint Mathematics Meetings and our Putnam Team regularly scores in the top quartile. We are considered a leader in cutting edge and inclusive pedagogical practices. Our faculty often pursue and are awarded grants to fund efforts to support our students. The department currently has NSF funding to improve readiness and access to graduate school for minority students. For more details, please visit the Mathematics Department webpage at fullerton.edu/math

Computational Applied Mathematics at CSU Fullerton

The department has an active group of faculty whose teaching focuses on modeling and computation at both the undergraduate and graduate levels, and whose research is transdisciplinary with areas of expertise that include aerospace engineering, social networks, cellular biology, epidemiology, and small-scale systems. As the culminating experience of the master's degree in applied mathematics, students carry out a team-based industrial consulting project under the mentorship of a faculty member. Recent industrial clients include NASA, Raytheon, SpiLab, L3, The Aerospace Corporation, Earth Science Associates, and Intelligent Fusion Technology. The Center for Computational and Applied Mathematics currently has a computer cluster available to facilitate transdisciplinary academic and industrial research.

The University and College

“The College of Natural Sciences & Mathematics (CNSM) is dedicated to the principle that teaching and research are intricately mixed and that undergraduate research, when properly approached, is an integral part of teaching. This fine balance between teaching and research is CNSM's greatest strength. Through the combination of quality instruction, student involvement in research and strong academic advisement, CNSM provides its students with the best education possible.” (fullerton.edu/NSM)

California State University, Fullerton is one of the largest universities in California, serving 40,000 students from southern California and especially Orange County. It is the largest of the 23 California State University campuses, the largest and most diverse university system in the country, and one of the most affordable. CSUF is a designated Hispanic Serving Institution and an Asian American and Pacific Islander Serving Institution. It ranks fifth and ninth nationally in the number of baccalaureate degrees awarded to Hispanics and minority students, respectively. CSUF is an affirmative action and equal opportunity employer with a strong commitment to increasing the diversity of the campus community and the curriculum, and fostering an inclusive environment within which students, staff, administrators and faculty thrive.

Application Procedure

A complete on-line application must be received by electronic submission via www.mathjobs.org in order to receive consideration. Please provide the following required materials:

- a cover letter addressing the following
 - Preferred Qualifications
 - what attracts you to CSUF
 - how your professional aspirations align with our department programs and activities
- curriculum vitae, including funding history or experience
- research statement, including a five-year research plan
- teaching statement, including commitment to excellence in teaching a diverse student population
- graduate transcripts
- 3 letters of recommendation
 - The letters should speak to the candidate's teaching and/or research potential as well as potential to be a productive member of the department; at least one of the letters must reference the candidate's teaching potential.

Application Deadline

To be assured full consideration, all application materials must be received by **October 20, 2019**.

Anticipated Appointment Date is August 10, 2020.

Please direct all questions about the position to: Dr. Charles H. Lee at charleshlee@fullerton.edu.



Additional Information

Multiple positions may be hired from this recruitment based on the strength of the applicant pool.

Salary is commensurate with experience and qualifications. Summer research grants, moving expenses, start-up funds, and a reduced teaching load may be available. An excellent comprehensive benefits package is available that includes: health/vision/dental plans; spouse, domestic partner and dependent fee-waiver; access to campus child-care; and a defined-benefit retirement through the state system along with optional tax sheltering opportunities. For a detailed description of benefits, please visit http://hr.fullerton.edu/payroll_benefits/HealthCarePlans.php

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 formally 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.

Reasonable accommodations will be provided for qualified applicants with disabilities who self-disclose.