

DEPARTMENT OF MATHEMATICS
COLLEGE OF NATURAL SCIENCES AND MATHEMATICS
Computational and Applied Mathematics
Tenure-Track

The Department of Mathematics invites applications for a tenure-track faculty position in applied mathematics at the Assistant Professor level beginning August 2019. California State University, Fullerton values and is dedicated to the goal of building a diverse community. We strongly encourage applications from candidates who will contribute to the diversity and excellence of our community through their teaching, research and service.

Positions

Candidates should be applied mathematicians with a background in computation, numerical analysis, machine learning, and mathematical modeling (with preference to 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 Cal State Fullerton through teaching, research, professional activities, and service. 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.

Qualifications

The qualified candidate must have a Ph.D. in applied mathematics or related field, plus at least one year of post doctoral experience either in research, teaching, or a related industrial field. Preference will be given to candidates who have:

- Teaching experience with a strong commitment to excellence in teaching at the undergraduate and master's levels
- The 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

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 application status of applicants or continued employment or current CSU employees who apply for the position.

Mathematics Department

The Mathematics Department has 31 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. For more details, please visit the Mathematics Department webpage at <http://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 Company, SpiLab, L3, The Aerospace Corporation, and Earth Science Associates. The Center for Computational and Applied Mathematics currently has a computer cluster available to facilitate transdisciplinary academic and industrial research.

The University and College

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 (the only one in Orange County) 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.

“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)

Job Control Number

10558BR

Rank and Salary

This is a tenure-track position at the rank of Assistant Professor. Salary is competitive and commensurate with experience and qualifications. Moving expenses, start-up funds, and a reduced teaching load may be available. An excellent comprehensive benefits package includes: health/vision/dental plans, spouse, domestic partner and/or dependent fee-waiver, access to campus child care, and a defined retirement benefits through the state system along with tax sheltering opportunities. For a detailed description of benefits, go to: http://hr.fullerton.edu/payroll_benefits/HealthCarePlans.php

Appointment Date

August 12, 2019

Application Procedure

Candidates should submit: a cover letter, undergraduate and graduate transcripts, a teaching statement (including commitment to excellence in teaching a diverse student population), a research statement (including a five-year research plan), a curriculum vita (including funding history or experience), and three letters of recommendation referencing the candidate's teaching and/or research potential as well as potential to be a productive department member. At least one of the letters must reference the candidate's teaching potential. Women and minority candidates are especially encouraged to apply. Applicants must submit their materials through www.mathjobs.org.

In addition, please complete an Applicant Data Flow form via this link to the CSUF secured website: <https://hr.fullerton.edu/appdataflow> and enter the Job Control Number listed above. Questions about the application process may be submitted to Renee Bennett at rbennett@fullerton.edu. Questions about the position may be addressed to Dr. Charles H. Lee at charleslee@fullerton.edu.

Application Deadline

Complete applications must be submitted no later than **November 4, 2018**.

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

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 Revised July 21, 2017 as a condition of employment.

California State University Fullerton celebrates all forms of diversity and is deeply committed to fostering an inclusive environment within which students, staff, administrators and faculty thrive. Individuals interested in advancing the University's strategic diversity goals are strongly encouraged to apply. EEO employer. Reasonable accommodations will be provided for qualified applicants with disabilities who self-disclose.