

Virginia Tech Department of Mathematics Professor and Mathematics Department Chair

The Department of Mathematics at Virginia Tech (<https://math.vt.edu>) invites applications from visionary, creative, and energetic leaders for the position of Department Chair. This is a calendar year position at the rank of tenured Full Professor. We combine an international reputation for excellence in research with a substantial teaching and outreach mission. The Department currently includes 39 tenured/tenure-track faculty members, 3 collegiate faculty members, 50 instructors, 9 visiting assistant professors, 7 postdoctoral fellows, 13 support staff, as well as more than 65 graduate students and 300 undergraduate majors. We provide instruction to more than 12,000 students at Virginia Tech every year. Our research spans these core areas: Analysis, Differential Equations, and Mathematical Physics; Numerical Analysis, High-Performance Scientific Computing, and Data-driven Science; Algebraic Combinatorics, Geometry, and Cryptology; Mathematics Education; and Mathematical Biology. We play a central role in interdisciplinary research on campus, which includes engagement in the Interdisciplinary Center for Applied Mathematics, the Commonwealth Cyber Initiative, the National Security Institute, and the Academy of Data Science, which is the academic home to the Computational Modeling and Data Analytics program. The Blacksburg, Roanoke, and Northern Virginia campuses are well positioned to foster interactions with academic and government organizations in the Washington DC metro region.

The successful applicant will advocate for the research, teaching, and service missions of the department at the local, national, and international level, and will focus on achieving strategic goals within the department, college, and university. They will maintain the health of the department and foster its robust growth, provide mentorship and professional guidance for existing faculty, and promote diversity and inclusion. Potential candidates must have a Ph.D. in mathematics or a closely related field, demonstrated administrative and programmatic leadership experience, demonstrated commitment to effective teaching, demonstrated commitment to developing a culturally diverse educational environment, a broad understanding of the mathematical sciences and interdisciplinary research, and exceptional professional achievements as evidenced by outstanding publications and a strong extramural funding history. We seek a leader with vision, an open and inclusive management style, and the ability to communicate effectively across disciplines and at all levels within the university. The position is based in Blacksburg but requires occasional travel.

The Mathematics Department is committed to building an inclusive community of mathematical scientists through programs and activities that are woven into the department's research, teaching, and outreach efforts. Our commitment is illustrated by programs such as our: Broadening Engagement and Participation in Undergraduate Research; Mathematics: Opportunities in Research and Education; and professional development activities organized by the Virginia Tech

Chapter of the Association for Women in Mathematics, winner of the 2021 AWM Student Chapter Award for Scientific Excellence. Through undergraduates' supervised tutoring of local public school students and through the department's participation in the Commonwealth Cyber Initiative, the Mathematics Department introduces secondary school and community college students to opportunities in the mathematical sciences. The diversity section required in our statement of interest gives candidates opportunities to bring to our attention their qualifications for and interest in contributing to efforts to diversify our discipline. Strong statements will demonstrate informed awareness of the rewards and challenges arising from efforts to provide equitable opportunities for all. Specific examples of experiences, activities, and plans will help us identify candidates who can support and extend our department's commitment to inclusive excellence.

Questions regarding the position may be directed to the chair of the Search Committee, at math_chair_search-g@vt.edu.

Required qualifications: Potential candidates must have a Ph.D. in mathematics or a closely related field. The position requires occasional travel to attend professional conferences and meetings.

Candidates should apply at <http://jobs.vt.edu/> (Job # 522114). The application package must include (i) a curriculum vitae with publication list, (ii) a statement of interest that addresses how the applicant meets the required qualifications, including academic achievements, administrative experience, leadership style, and commitment to diversity and inclusion as evidenced by any previous activities or future plans aimed at expanding diversity and/or mentoring of underrepresented groups, and how the applicant will further Virginia Tech's commitment to build a culturally diverse educational environment (<http://www.inclusive.vt.edu/>), and (iii) contact information for three professional references. References will not be contacted until after the initial review and only with the permission of the applicant. After an initial review, applicants may be asked for additional materials. Review of applications will begin on November 30, 2022, and will continue until the position is filled. To ensure full consideration, complete application packages should be received by November 30, 2022. As part of the hiring process, the successful applicant will be required to have a criminal conviction check. The expected position starting date is August 10, 2023.

Virginia Tech is committed to supporting the success of its faculty members through policies that include the modification of duties, the extension of tenure clocks, mentoring, proposal-writing guidance, and dual-career accommodations, depending on individual circumstances. Interviewed candidates will meet with a work-life liaison for a confidential conversation about details of these policies.

Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran

status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law.

For inquiries regarding non-discrimination policies, contact the Office for Equity and Accessibility at 540-231- 2010 or Virginia Tech, North End Center, Suite 2300 (0318), 300 Turner St. NW, Blacksburg, VA 24061.

Individuals with disabilities desiring accommodations in the application process should notify Mr. Kevin Kish (kevink96@vt.edu, 540-231-6536) or call TTY 1-800- 828-1120 prior to the application deadline.