

## **George Mason University, Department of Statistics: Multiple Open Rank Tenure-Track/Tenured Faculty Positions**

The George Mason University Department of Statistics, within the Volgenau School of Engineering, invites applications at all ranks for multiple tenure-track or tenured faculty positions beginning fall 2021. Exceptionally strong senior candidates may also be considered, and must have an established record of outstanding research, demonstrated funding, and excellent teaching. Such candidates may be eligible for tenured associate professor or professor positions. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason's academic and culturally inclusive environment.

### **Responsibilities**

Successful candidates will be expected to conduct independent and collaborative research; teach and advise undergraduate and graduate students; participate in all aspects of the department's mission; and serve the statistics/data science profession. Collaborations within and beyond Mason, or as part of initiatives and cooperative ventures are encouraged.

### **Required Qualifications**

Applicants must have received a PhD in Statistics or a related field by the start date of the position, and should have demonstrated potential for excellence and productivity in research, and a commitment to high-quality teaching.

### **Preferred Qualifications**

Applicants in all areas of Statistics will be given serious consideration. We are particularly interested in candidates in the areas of data science/analytics, high-dimensional problems and methodologies involving AI, machine learning and deep learning methods, network data, health analytics, financial analytics and survey methodology. Candidates with strong interest in collaborations with other departments on campus, and good communication skills will be preferred.

### **About the Department**

The Department of Statistics currently houses 20 full-time faculty. It offers a BS in Statistics, three MS degrees: Statistical Science, Biostatistics, and Data Analytics Engineering Concentration Statistics; and a PhD degree in Statistical Science, with excellent funding opportunities. The Department of Statistics faculty members are world-renowned leaders in statistics, biostatistics, and data analytics, although it is a young department founded in 1992. It is located within the Volgenau School of Engineering, on the Fairfax, Va., campus in the high-tech corridor of Northern Virginia, 30 minutes from both downtown Washington, D.C., and Dulles International Airport.

The Statistics department is involved in multiple projects with INOVA, one of the leading hospitals in the nation, and with other top corporations. It is also working to establish new relationships and research ties via joint initiatives in the greater Washington metropolitan area. These relationships could include research at government agencies on a range of high-impact problems and in several areas of statistics and data science. The department has a distinct potential in becoming a hub for innovations in Statistics and Data Science (SDS) and interdisciplinary research involving medicine, engineering, finance, technology, and society. The department is positioned for its growth and success. Faculty rental housing is also available on campus. Further information about the department is available at <https://stat.gmu.edu/>.

### **Mason Engineering: The Future of Engineering is Here**

The Volgenau School of Engineering at George Mason University is a fast-growing force for innovation in research and education. The school boasts more than 8,600 students in 37 undergraduate, master's, and doctoral degree programs, including several first-in-the-nation offerings. Of the 250 full-time faculty who

comprise the School, 90 are tenured, 50 are tenure-track, 85 are instructional faculty, and 25 are research faculty. As part of a nationally ranked research university, its research teams expended more than \$60 million in sponsored research awards last year and has projects with over \$400 million in current and anticipated awards. Located in the heart of Northern Virginia's technology corridor, Mason Engineering stands out for its research in many leading areas including artificial intelligence, data analytics engineering, cybersecurity engineering, biomedical imaging and devices, community-based healthcare, autonomous systems, 5G communications, systems architectures, computational biomedicine, advanced materials and manufacturing, sustainable infrastructure, and more. The School encourages multidisciplinary research and provides faculty with opportunities to work with other disciplines.

George Mason University is the largest public research university in Virginia, with an enrollment of over 38,000 students studying in over 200 degree programs. Mason is an innovative, entrepreneurial institution with national distinction in a range of academic fields. It was classified as an R1 research institution in 2016 by the Carnegie Classifications of Institutes of Higher Education. Mason is located in the city of Fairfax in Northern Virginia at the doorstep of the Washington, D.C., metropolitan area, with unmatched geographical access to a number of federal agencies and national laboratories. Northern Virginia is also home to one of the largest concentrations of high-tech firms in the nation, providing excellent opportunities for interaction with industry. Fairfax is consistently rated as being among the best places to live in the country and has an outstanding local public school system.

In conjunction with Amazon's decision to establish a second headquarters in Northern Virginia, the Commonwealth of Virginia announced a multi-year plan to invest in the growth of degree programs in computing, and George Mason University has committed to accelerate its plans to grow its capacity in computing and high-tech fields. Among the exciting initiatives being undertaken by the university are the launch of the Institute for Digital InnovAtion (IDEA), a university think tank and incubator to serve the digital economy, and the expansion of its Arlington Campus with a planned 400,000 square foot Digital InnovAtion Building. These initiatives reflect hundreds of millions of dollars in new investment by Mason that will rapidly elevate Mason's already leading national position in computing and related areas. We also expect multiple joint faculty positions funded by Virginia's Tech Talent Investment Program.

For full consideration, applicants must apply for position number F582AZ; at <https://jobs.gmu.edu/>; complete and submit the online application; and upload a statement of professional goals including both your perspective on teaching and research; as well as interest in a specific collaboration or joint appointment (to attach as 'Other Doc'), a complete CV with publications, a statement on what diversity and inclusion means to you (to attach as 'Other Doc'), and the names of three professional references. The review of applications will begin November 16, 2020 and continue until the position is filled.

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or veteran status, or any characteristic protected by law.