

Open-Rank, Term Bioengineering Faculty George Mason University

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Posted Feb. 26, 2024, set to expire Jun. 27, 2024

Job Title	Open-Rank, Term Bioengineering Faculty
Department	Department of Bioengineering
Institution	George Mason University Fairfax, Virginia
Date Posted	Feb. 26, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Bioengineering (all Bio-related fields)
Apply Online Here	http://jobs.gmu.edu/

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Job Description

Open-Rank, Term Bioengineering Faculty

Req # 10000762

About the Department:

Mason's Department of Bioengineering, <https://bioengineering.gmu.edu>, has 12 faculty members whose research can be divided into four pillars: biomedical imaging and devices, computational biomedicine, biomaterials and nanomedicine, and neurotechnology and computational neuroscience. Recently constructed research facilities in these focus areas opened in 2018. Bioengineering faculty research is funded by a number of federal agencies, including the National Institutes of Health, National Science Foundation, Department of Defense, and the United States Department of Veterans Affairs. These agencies and other sources bring the department's active research funding total to more

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than \$20 million. Undergraduate enrollment in the thriving ABET-accredited undergraduate program totals more than 210 students. A relatively new, rapidly growing PhD program and a new master's program (launched in 2018) complete the academic offerings. The department has several growing partnerships with regional centers and universities. The department is also home to two centers, Center for Adaptive Systems of Brain Body Interactions and Center for Neural Informatics Neural Structures and Neural Plasticity.

About the Position:

The Department of Bioengineering invites applicants for a term faculty position beginning Fall 2024.

Candidates to this position will be expected to teach and develop undergraduate and graduate courses; participate in university, college and departmental governance; professional and public service; advising students; and performing related instructional assignments such as supervising senior projects, student internships and practicum.

Applicants at the rank of Associate or Full Professor must have interests in outreach, curriculum development, and significant experience in an academic setting in teaching for at least six years post PhD.

Responsibilities:

- Teach undergraduate and graduate level courses in bioengineering; and
- Service: advise students; participate in all aspects of the department's mission; and serve the profession.

Required Qualifications:

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Applicants for the position of Assistant/Associate or Full Professor must have received a PhD in Bioengineering, Biomedical Engineering, or a related field by the start date of the position. Applicants who have received an MS in Bioengineering, Biomedical Engineering, or a related field by the start date of the position, will be considered for Instructor positions. Applicants should possess a strong commitment to and demonstrated potential excellence in teaching. Must have experience in one or more of our pillars: biomedical imaging and devices, computational biomedicine, biomaterials and nanomedicine, and neurotechnology and computational neuroscience. Applicants at the rank of Associate or Full Professor must have interests in outreach, curriculum development, and significant experience in an academic setting in teaching for at least six years post PhD.

Preferred Qualifications:

Applicants in all areas of bioengineering/biomedical engineering will be given serious consideration. We are particularly interested in candidates to teach in the areas of biomechanics, biomaterials, computational biomedicine, physiological modelling, bioinstrumentation, electronics, and imaging. Preference will be given to candidates with a PhD, teaching experience, and a record of peer-reviewed publications. Administrative and/or managerial experience is a plus. The department and the Institution place a high value on engaging students from traditionally underrepresented groups, and candidates from these groups are especially encouraged to apply.

Instructions to Applicants:

For full consideration, applicants must apply for **Open-Rank, Term Bioengineering Faculty** at <https://jobs.gmu.edu/>. Complete and submit the online application, and upload a cover letter, complete CV with publications, statement of professional goals including your perspective on teaching (upload as Philosophy of Teaching), statement on what diversity and inclusion means to you (upload as Diversity Statement), transcript (optional), and the names of three professional references with contact information. Review of applications will continue until the position is filled.

Mason Engineering: The Future of Engineering is Here

About the College

The College of Engineering and Computing (CEC) at George Mason University is a fast-growing force for innovation in research and education. Ranked nationally in the top 100 in both undergraduate and graduate education, the CEC enrolled a record high of 10,933 students in fall 2023. The college has 34 undergraduate, master's and doctoral degree programs including several first-in-the-nation offerings. Of its 320 full-time faculty, 93 are tenured, 77 are tenure-track, 90 are term faculty, and 60 are research faculty. As part of a nationally ranked research university, CEC research teams expended \$65 million in sponsored research awards in the past year and had projects with over \$119 million in

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current and anticipated awards. The college stands out for its leading research in areas such as artificial intelligence, data analytics engineering, cybersecurity engineering, biomedical imaging and devices, healthcare, autonomous systems, 5G/Next G communications, systems architectures, computational biomedicine, advanced materials and manufacturing, sustainable infrastructure, and more. The college encourages and supports multidisciplinary research and provides ample opportunity for faculty to work with other disciplines.

About the University and the Region

George Mason University is the largest and most diverse public research university in Virginia, with an enrollment of more than 40,000 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. The university has campuses in Fairfax, Arlington, and Prince William County. Its proximity to Washington, D.C. provides unmatched geographical access to 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. The region is consistently rated as being among the best places to live in the country and has an outstanding local public school system.

About the Future

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. As a result, Mason has committed to accelerate its plans to grow its capacity in computing and high-tech fields. Among the university's exciting initiatives are the launch of the Institute for Digital Innovation—a university think tank and incubator to serve the digital economy—and the expansion of Mason Square home to its Arlington facilities. In 2025, Fuse a new 355,000 square foot building, will open to students, faculty, and research teams. This net-zero facility will house the Institute for Digital Innovation, state-of the-art classrooms, labs, and collaborative spaces. It will also include retail space, and leasing opportunities for local businesses. These initiatives reflect hundreds of millions of dollars in new investment by Mason that will rapidly elevate the university's already leading national position in computing and related areas.

Mason Ad Statement

Mason is currently the largest and most diverse university in Virginia with students and faculty from all 50 states and over 135 countries studying in over 200 degree programs at campuses in Arlington, Fairfax and Prince William, as well as at learning locations across the commonwealth. Rooted in Mason's diversity is a campus culture that is both rewarding and exciting, work that is meaningful, and

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opportunities to both collaborate and create.

If you are interested in joining the Mason family take a look at our current opportunities and catch some Mason spirit at jobs.gmu.edu/!

George Mason University, Where Innovation is Tradition.

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.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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