MASSACHUSETTS

Northeastern University

The College of Science at Northeastern University invites applications for positions at all ranks (Assistant Professor, Associate Professor, or Professor), beginning in academic year 2023–2024 in the fields of Mathematical Modeling and Computation, broadly defined. Primary appointments will be in Mathematics with joint appointments in other departments including Physics and/or other colleges including Khoury College of Computer Sciences, the College of Engineering, and Bouvé College of Health Sciences. Appointments will have the opportunity to collaborate in cross-disciplinary teams across the University and will complement existing strengths.

Mathematical Modeling and Computation are at the heart of multiple areas of great societal impact. The College of Science is looking for exceptionally qualified individuals to fill faculty roles in these fields. Candidates will be considered from all areas concerned with the Mathematical Foundations of Modeling and Optimization in the Sciences and Engineering, or the Mathematics of Computation, with some emphasis on data-driven research. Relevant areas of study include Applied Analysis, Partial Differential Equations, Optimization, Discrete Mathematics, Quantum Computing, Algebraic Geometry, Data Science, High Dimensional Statistics, Probability, Complexity Theory, Security, and Cryptography.

Our tenure and promotion process values collaborative research and teamwork. Hires will be mentored for success, with mentoring teams and group guidance. In addition, a strong and effective faculty development strategy is part of the Northeastern institutional mission.

At Northeastern University, we embrace a culture of respect, where each person is valued for their contribution and is treated fairly. We oppose all forms of racism. We support a culture that does not tolerate any form of discrimination and where each person may belong. We strive to have a diverse membership, one where each person is trained and mentored to promote their success. See our website for more information about the College and its Leadership Team.

Responsibilities:

Potential hires are expected to develop vigorous research programs cross cutting the fields of Mathematics, Physics, Computer Science, Engineering, or Health Sciences. Faculty at Northeastern are expected to develop independent research programs that attract external funding; teach courses at the graduate and undergraduate level; supervise students and postdocs in their area of research; and participate in service to the department, university, and discipline. Qualified candidates must have excellence in, or a demonstrated commitment to, working with diverse student populations and/or in a culturally diverse work and educational environment.

Qualifications:

Applicants must have a PhD in Mathematics, Physics, Computer Science, Engineering, or a related field by the appointment start date. We encourage applicants from a
wide range of backgrounds, including academia and industry. All applicants should have a strong record of scholarly accomplishment that demonstrates the ability to build a strong research program. Candidates seeking appointment at the Associate or Full Professor level should have substantial research productivity and an established history of grant support and academic service. Research excellence is the top-most priority. Depending on the research profile and expertise, a joint or affiliate appointment in another department(s) within the University is possible.

**Additional Information:**
Interested candidates should view the complete position description and apply at: Northeastern University Careers: [https://northeastern.wdl.myworkdayjobs.com/en-US/careers/details/Open-Rank--Assistant--Associate-Professor--Mathematical-Modeling-and-Computation_R109613?q=%20math%20modeling](https://northeastern.wdl.myworkdayjobs.com/en-US/careers/details/Open-Rank--Assistant--Associate-Professor--Mathematical-Modeling-and-Computation_R109613?q=%20math%20modeling) or at MathJobs: [https://www.mathjobs.org/jobs/list/20881](https://www.mathjobs.org/jobs/list/20881) with a curriculum vita that includes a list of publications, research statement, teaching statement, an equity statement, and names and contact information for at least three professional references. Applications will be reviewed beginning on November 30, 2022.

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion.

All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.

To learn more about Northeastern University’s commitment and support of diversity and inclusion, please see [www.northeastern.edu/diversity](http://www.northeastern.edu/diversity).