



Research on Undergraduate Mathematics Education Position, Tenure-Track

Department of Mathematics and Statistics
James Madison University
Harrisonburg, VA

General Info: The Department of Mathematics and Statistics at James Madison University invites applications for a tenure-track, academic year position in mathematics or statistics at the rank of Assistant/Associate Professor to begin August 2023. Candidates should have documented expertise in Research on Undergraduate Mathematics Education (RUME) with demonstrated interest in student learning in undergraduate mathematics or statistics courses. This position is part of the JMU College of Science and Mathematics' discipline-based education research (DBER) cohort hire focused on the teaching of science and mathematics in higher education.

Who We Are: The successful applicant will join an energetic and dynamic department consisting of 55 full-time faculty in the areas of pure mathematics, applied mathematics, statistics, and mathematics education. Our faculty are active in professional fields at the local, national, and international level and are dedicated to excellence in undergraduate education. We currently offer Bachelor's degrees in Mathematics and Statistics, minors in Mathematics and Statistics, an M.Ed. in Mathematics, and are the core group offering a minor in Data Analytics. The department houses the Center for Statistical Consulting, the JMU Experimental Mathematics (JEM) Lab, and the Center for Computational Mathematics and Modeling. We are also proud of our outreach efforts that include the annual madiSTEM and Shenandoah Undergraduate Mathematics & Statistics conferences and the Family Math Night program with local schools. We care about people and value high-quality undergraduate education, diversity, equity, and inclusion. Our recent efforts to support underrepresented and first-generation student populations resulted in the establishment of the Haynes Residential Learning Community. The department is committed to further becoming a place where students, staff, and faculty of all backgrounds experience a supportive, affirming environment. For additional information about the department, see the department homepage at www.jmu.edu/mathstat/.

Duties and Responsibilities: The candidate will be committed to developing or continuing a vibrant research program in undergraduate mathematics or statistics education. The successful candidate's research and teaching efforts should improve teaching and learning within undergraduate courses.

Responsibilities of the position include:

- Perform discipline-based educational research (DBER) in mathematics or statistics.
- Broadly disseminate research findings in the form of peer-reviewed publications and presentations at discipline appropriate conferences.
- Teach courses in mathematics or statistics based on interest and departmental need.
- Apply evidence-based teaching and assessment strategies to improve student learning and success.
- Perform departmental, college, and university service as required.

Qualifications: We are especially interested in candidates who have a demonstrated commitment towards building an equitable, inclusive, and diverse scholarly environment as well as those with a passion for outreach projects.

Required qualifications include:



- Ph.D. in mathematics, statistics, or mathematics education by August 2023.
- Excellence in teaching undergraduate mathematics or statistics courses.
- Expertise in RUME through both practice and scholarship.
- Demonstrated interest in research on student learning in undergraduate mathematics or statistics courses.
- Potential for developing an active research agenda including research with undergraduates.
- Ability to work with diverse groups/populations and create an equitable and inclusive environment.
- Strong interpersonal and verbal communication skills.

Pay Rate: Commensurate with experience.

To Apply: For the initial review, all candidates will complete a JobLink application and submit (1) a cover letter, (2) statement of inclusive excellence, (3) curriculum vitae, and (4) unofficial transcript(s). The cover letter must address the candidate's qualifications for the position, identify the courses they would prefer to teach, and briefly describe their research interests. Cover letters should be 3 pages or less. The statement of inclusive excellence must focus on actions and experiences within the applicant's teaching and scholarship as they relate to diversity, equity, inclusion, and/or justice.

After initial review, selected candidates will be asked to submit detailed statements addressing their teaching philosophy and research interests. Candidates will also arrange for the submission of three reference letters.

To apply for this position, go to <https://joblink.jmu.edu/postings/13055> or go to joblink.jmu.edu and reference posting number 8091. Review of applications will begin November 14, 2022.

James Madison University is an Equal Opportunity/Affirmative Action/Equal Access Employer and especially encourages applications from minorities, women, and persons with disabilities. James Madison University is committed to creating and supporting a diverse and inclusive work and educational community that is free of all forms of discrimination. This institution does not tolerate discrimination or harassment on the basis of age, color, disability, gender identity or expression, genetic information, national origin, parental status, political affiliation, race, religion, sex, sexual orientation or veteran status.

We promote access, inclusion and diversity for all students, faculty, staff, constituents and programs, believing that these qualities are foundational components of an outstanding education in keeping with our mission. The university is interested in candidates whose experience and qualifications support an ongoing commitment to this core quality.

Anyone having questions concerning discrimination should contact the Office for Equal Opportunity: (540) 568-6991.