



Environmental Data Science Faculty Cohort (Seven Positions)

James Madison University (JMU) invites applications for an exciting collaborative environmental data science cohort hire. The cohort will consist of seven tenure-track faculty at rank of assistant or associate professor who will work collaboratively across disciplines to develop curricula and research programs at the intersection of data science, climate science, and environmental analytics. One or more of the seven positions could be teacher-scholar post-doctoral appointments. Successful candidates will possess the expertise, creative ability, interdisciplinary problem-solving skills, and team-oriented work ethic to establish James Madison University as a home for environmental data science curricula and research. Given that many of the challenges facing the environment differentially affect particular populations of humans, a critical component of this cohort would be the integration of social justice into the curriculum and research initiatives.

Successful candidates will have primary appointments in an academic unit most aligned with their disciplinary focus, including, but not limited to, Biology, Chemistry and Biochemistry, Geology and Environmental Science, Computer Science, Mathematics and Statistics, Physics and Astronomy, and the School for Integrated Sciences, with at least two of the appointments being in Mathematics and Statistics.

The College of Science and Mathematics (CSM) provides a solid foundation for this cohort initiative. With 196 full-time faculty and about 1500 full-time majors, CSM is a vibrant college with established collaborations with faculty and departments in other JMU colleges, including the Colleges of Integrated Science and Engineering (CISE), and Health and Behavioral Studies (CHBS). Faculty are passionate about using high impact pedagogies and providing research experiences for undergraduates, offering high quality experiences for graduate students in a limited number of programs, as well as cross-disciplinary collaborations in teaching and research that include the Biotechnology major and Materials Science minor (both offered by CSM and CISE), the Data Analytics minor, Environmental minors (offered by CSM, CISE and College of Arts and Letters), and JMU X-labs courses. CSM and other colleges host various centers that work with faculty and students as well as with the community. These include the Centers for Genome and Metagenome Studies, Light Microscopy and Imaging Facility, Computational Mathematics and Modeling, Engineering Geoscience and Geohazards, Statistical Consulting, and, along with CISE and other colleges, the Center for Materials Science and the Center for STEM Education and Outreach. JMU excels in global education and community engagement, and is deeply committed to student and faculty diversity, with a focus on enhancing inclusivity and belonging.

Duties and Responsibilities:

Teaching responsibilities could include introductory and upper division courses and laboratory courses, and/or graduate courses. Successful candidates are expected to initiate and maintain an active research program involving students. Collaboration with other cohort hires and faculty in other fields is expected.

Qualifications:

Applicants will have a Ph.D. in a relevant discipline or field, and the potential for vibrant, collaborative teaching and scholarship at our primarily undergraduate institution. Consideration will be given to ABDs at the advanced dissertation stage that exhibit particularly compelling records.

To apply, visit <https://joblink.jmu.edu/postings/10648> or go to joblink.jmu.edu and reference posting F1761. Review of applications will begin December 15, 2021 and the positions will remain open until filled. Salary will be commensurate with experience. For more information, contact the chair of the search committee, Dr. Steven Whitmeyer (email: whitmesj@jmu.edu).

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.