James Madison University (JMU) invites applications for an exciting collaborative environmental data science cohort hire. The cohort hires will consist of four tenure-track faculty at rank of assistant or associate professor who will work collaboratively across disciplines to develop undergraduate curricula and research programs at the intersection of data science, climate science, and environmental analytics. One or more of the four 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 curricula and research initiatives.

Successful candidates will have primary appointments in an academic unit most aligned with their disciplinary focus. These include Biology, Chemistry and Biochemistry, Geology and Environmental Science, Mathematics and Statistics, and Physics and Astronomy in the College of Science and Mathematics (CSM), as well as Computer Science, Engineering, Geography, and Integrated Science and Technology in the College of Integrated Science and Engineering (CISE). At least two of the appointments will be in the academic unit of Mathematics and Statistics and would be involved in the development of a data science program at JMU.

The Colleges of Science and Mathematics (CSM) and Integrated Science and Engineering (CISE) provide a solid foundation for this cohort initiative. CSM is a vibrant college with 168 full-time faculty and about 1500 full-time majors, and has established collaborations with faculty and departments in other JMU colleges. CISE, JMU’s newest college, includes 89 full-time faculty and nearly 1900 majors across its three applied science and technology units. Faculty across the colleges are passionate about using high impact pedagogies and providing research experiences for undergraduates, as well as high quality experiences for graduate students in some programs. Cross-disciplinary collaborations in teaching and research include a Biotechnology major and Materials Science minor (both offered by CSM and CISE), a Data Analytics minor, Environmental minors (offered by CSM, CISE and College of Arts and Letters), and JMU X-labs courses. CSM, CISE, and other colleges host a variety of research and outreach-focused centers that work with faculty and students as well as with the community. 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 undergraduate courses, laboratory courses, and graduate courses. Preference will be given to applicants that demonstrate an ability to develop and teach one or more courses on databases and data structures. 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 learn more and to apply, go to joblink.jmu.edu and reference posting F1973 or go to https://joblink.jmu.edu/postings/12786. Review of applications begins 10/17/2022. Salary is 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.