

Supervisory Computer Scientist GS-1550-13

The U.S. Geological Survey's Upper Midwest Environmental Sciences Center (UMESC) is currently recruiting for a Computer Scientist. The incumbent provides scientific and technical leadership to enable staff to effectively and efficiently utilizes internal and external Information Management Technology (IMT) resources available. The incumbent is responsible for formulation, implementation, coordination, administration, and management of IMT within UMESC and reports to the Deputy Center Director. The mission of UMESC is to address the Department of the Interior biological resource science needs in the upper Midwest. UMESC also coordinates its research with other USGS Science Centers, other Federal and state agencies, universities, and non-governmental organizations to broadly address ecological and societal issues of concern throughout the Nation's heartland. For more information about UMESC, please visit <https://www.usgs.gov/centers/umesc>.

Location: UMESC, La Crosse, Wisconsin

Salary: GS-13: \$91,231 (Step 1) to \$118,603 (Step 10)

Responsibilities:

- Serves as a Principal Investigator employing, and guiding others in employing, advanced computer science knowledge and experience to address challenges related to Earth sciences through the use of existing or novel technology, computational theory, and data science.
- Plans, directs, coordinates and participates in team activities such as software architecture, multi-language programming, unit testing, user interface design, software/hardware deployment and training.
- Employs computer science and computational theory, design patterns, programming language theory, etc. to design modeling frameworks, computer simulations, mathematical models, complex data visualizations, and custom data collection and transmission interfaces as components of decision support systems.
- Oversees and manages highly complex projects in a variety of on/off premise IMT systems, including providing oversight to IMT specialists and computer scientists that are modifying existing or developing new methods and approaches, interpreting and adapting guidelines, and implementing recommendations.
- Leads UMESC implementation teams researching and developing recommendations for most effectively presenting and recommending major modifications to established operations to improve efficiency or operational performance, or for making modifications to established IMT practices.



How to apply: Please visit USA Jobs website at <https://www.usajobs.gov/>

Open to Public: [USGS-RES-21-10943171-DE-MM](#)

Merit Promotion: [USGS-RES-21-10943172-ST-MM](#)

Opening and closing dates: 11/16/20 – 12/16/20

THE FEDERAL GOVERNMENT IS AN EQUAL OPPORTUNITY EMPLOYER

Additional Information: Please contact Emilyn Claycomb at eclaycomb@usgs.gov or 703-648-7481 with any questions about this opportunity.