

Water resources engineer / hydrologic modeler - The Illinois State Water Survey (ISWS) at Prairie Research Institute

The Illinois State Water Survey (ISWS) at Prairie Research Institute, University of Illinois at Urbana-Champaign (UIUC) has been a leader in the study of water resources planning and management for more than a century. Our research and service programs provide citizens, industries, and government agencies at all levels with timely, science-based information and analysis necessary to manage our water resources wisely for economic development and a sustainable environment.

We are seeking a water resources engineer/hydrologic modeler to fill a position within the Watershed Science Section to assist hydrologic modelling, water-energy nexus, and/or water supply planning studies. Experience with the SWAT, SWAT+, or HSPF models is preferred. This position will work closely with water supply hydrologist to develop, calibrate, and validate hydrologic models to assist water supply studies.

Required Education and Experience

Key requirements of the position include a unique skillset of programming, hydrologic modeling, and water resources engineering. The required education and experience include:

- M.S. or Ph.D. in Civil/Environmental/ Agricultural/Earth Engineering or related fields
- Strong programming skills with Python and/or other computer languages.
- Proficiency in watershed hydrologic modeling.
- Strong quantitative and statistical analytical skills.
- Proficiency in the use and creation of databases.
- Excellent oral and written communication skills.
- Ability to apply analytical/scientific thinking to define and solve problems.
- Experience with Geographic Information System (GIS) tools.
- Ability to write peer reviewed journal papers (preferred).

Please submit via e-mail 1) a cover letter, 2) resume, and 3) contact information of at least two academic or professional references to: Zhenxing Zhang at Zhang538@illinois.edu