

STAFF ENGINEER

Major Duties and Responsibilities:

- Conduct and manage hydrologic and hydraulic studies using computer models, data research/capture following applicable standards and data capture protocols. Projects may use both steady and unsteady computational modes.
- Prepare publication-ready profiles, tables, maps and other mediums to communicate technical results, data research, model development, and methodology meeting applicable standards.
- Prepare technical reports to document and disseminate scientific results.
- Supervise the work of H&H Engineers and/or student employees including task assignment,
- Provide technical support with proposal preparation, including estimating staff time and material needs.
- Use a variety of software including but not limited to: HEC-RAS, HEC-GeoRAS, HEC-HMS, HEC-GeoHMS, and ArcGIS.
- Organize and conduct meetings with local officials, private consulting engineers and other agency staff involved with the project.
- Coordinate with GIS team members and serve as a project lead, developing workflow, and protocols, as needed.
- Participate in team meetings and meetings with agency staff, local officials, and private consulting engineers.
- Perform other duties as assigned and special projects as needed.

Education:

Required: Bachelor of Science degree in Engineering (Civil, Water Resources, Environmental or similar curriculum) with coursework in hydrology and hydraulics. Alternate degree fields will be considered/accepted depending upon the nature and depth of the experience as it relates to the position. Course work (or equivalent work experience) using HEC-HMS and/or HEC-RAS or similar software and familiarity with ArcGIS.

Preferred: Master of Science and additional coursework in GIS, urban storm water management; engineering economics, statistics.

Experience:

Required: Minimum of one year professional work experience required. Experience using HEC-HMS and/or HEC-RAS or similar software required.

Preferred: ArcGIS experience using data sets such as hydrography, topography, and DEMs.

Training:

Required: Must have passed the Fundamental of Engineering Exam and be an Engineer in training (EIT) in Illinois (Registration as a Professional Engineer expected as soon as practicable). Must attain Certification as Floodplain Manager within one year of employment.

Preferred: Registration Professional Engineer in Illinois. Registration as a Certified Floodplain Manager is very desirable

Knowledge:

Required: Must have solid understanding of the fundamentals of surface water hydrology and hydraulics. Effective communication, organizational, personal relations, teamwork, and technical writing skills. Meticulous work habits. Demonstrated ability to perform effectively in a diverse and fast-paced work environment consisting of multiple and changing priorities, under minimal supervision.

Preferred: Knowledge of HEC-1, HEC-2, HEC-RAS, HEC-GeoRAS, HEC-HMS, HEC-GeoHMS, and/or SWMM helpful. Familiarity with Federal Emergency Management Agency (FEMA), Flood Insurance Rate Maps and Studies, and technical guidelines helpful. Working knowledge of ArcGIS 10 or higher

Proposed start date: as soon as possible after close, or until a suitable candidate is identified.

Salary: is commensurate with qualifications and experience.

Appointment status: full-time, grant/contract funded, benefits eligible, academic professional position

Application procedures: Please complete your candidate profile at <http://jobs.illinois.edu> and upload a cover letter, CV/resume, and the contact information for three professional references must be received **by March 29, 2018**. Interviews may be conducted before the closing date; however, no hiring decision will be made until after that date. All requested information must be submitted for your application to be considered.

For further information regarding application procedures, you may contact Hannah Dorsey at (217)333-4978 or hdorsey@illinois.edu.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of contingent offer.