

Job Description



Job Title	Geological Research Specialist
Job ID	297363
Location	Bloomington, Indiana
Full/Part Time	Full-Time
Regular/Temporary	Regular

[Return to Previous Page](#)
[Switch to Internal View](#)

Special Instructions Summary

This posting closes on November 28, 2021 and has an anticipated start date of January 1, 2022 or sooner.

Department

INDIANA GEOLOGICAL & WATER SUR (BL-GEOY-IUBLA)

Department Information

The Indiana Geological and Water Survey, a research institute of Indiana University, seeks applications for three research geologists with expertise in the water-rock-energy continuum. We are particularly interested in dynamic, cross-trained scientists who will contribute to long-term mapping programs of geology and groundwater resources in Indiana and beyond.

Job Summary

Department-Specific Responsibilities:

The IGWS seeks to recruit a team of three dynamic research scientists with broad interests in hydrogeology, geological mapping, and energy resources. These positions will independently plan and conduct basic and applied research relating to Indiana's natural resources at regional to site-specific scales. We have particular interest in expanding our research portfolio in studies of groundwater quantity and quality, aquifer delineation in bedrock and glacial landscapes, and reservoir characterization for oil, gas, and carbon sequestration. Areas of research expertise could include the use of novel tools for geologic and aquifer mapping, monitoring, evaluation through on-site testing, remote sensing, geophysics, and geochemistry; the assessment of surface water-groundwater interactions using geochemical modeling or isotopic and other tracers; characterization of geologic media in the field and lab using contemporary approaches in petrology, geochemistry, and isotopes; and the use of geospatial data to design and utilize geodatabases for mapping and analysis on a variety of platforms. All positions are expected to cooperate across the IGWS Research and Information Services Divisions to advance long-term mapping plans. Collaborative opportunities exist with other researchers across the IU-Bloomington Campus. Collaborative research and grant programs with the U.S. Geological Survey, Department of Energy, and state agencies in Indiana will comprise an important portion of this position.

General Responsibilities:

- Plans and develops research projects, methods, and techniques.
- Collects, analyzes, and interprets data from maps, well logs, samples, and/or geologic/geophysical field investigations.

- Supervises and performs field and laboratory work using a variety of field and lab equipment.
- Participates in externally and internally funded research projects.
- Analyzes and interprets research findings and presents findings as geologic maps, professional papers, and personal contacts.
- Responds to requests for information from the general public, government agencies, industry, and academia that relate to the geology and related resources of Indiana.
- Reviews published literature pertaining to specific research.
- Coordinates research projects with other state geological surveys and other research groups.

Qualifications

EDUCATION

Required

- Bachelor's degree with coursework or research experience in geology.

Preferred

- Master's degree with coursework or research experience in geology.
- Research experience in hydrogeology, geochemistry, oil and gas, and geological mapping, with multidisciplinary backgrounds.

WORK EXPERIENCE

Required

- 2 years of experience with geological research.

Preferred

- 1 year of experience with geological research.

SKILLS

Required

- Proficient communication skills.
- Maintains a high degree of professionalism.
- Demonstrated time management and priority setting skills.
- Demonstrates a high commitment to quality.
- Possesses flexibility to work in a fast paced, dynamic environment.
- Seeks to acquire knowledge in area of specialty.
- Highly thorough and dependable.
- Demonstrates a high level of accuracy, even under pressure.

Preferred

- Geological knowledge of Indiana and the Midwest is desired.
- Established record of research and publication.
- Ability to effectively communicate and exchange information, including with academic, government, and public audiences through conferences, public meetings, field trips, and in peer-reviewed publications and maps.
- Fluent with organizing and synthesizing data. Ability to supervise support staff through a project management system.
- Outstanding interpersonal skills and a customer service orientation.
- Working knowledge of the methods and tools used in water and energy resource assessments and geologic mapping.
- Ability to combine field and laboratory techniques to characterize the properties of water and earth materials, and to use geospatial tools to collect, map, and communicate the extent and character of these resources in Indiana and beyond.

Working Conditions / Demands

The role regularly requires the ability to effectively communicate. The role frequently requires the ability to move

about the work environment and to position oneself to operate laboratory equipment effectively. The role requires the ability to move objects weighing up to 50 pounds and will occasionally work near moving mechanical parts. The person in this role must be able to perform the essential functions with or without an accommodation. Must be willing to travel both in Indiana and out of state. Position includes significant work in the field, must be able to travel over rough terrain.

Work Location

Indiana University Bloomington Campus

Job Classification

Career Level: Career

FLSA: Exempt

Job Function: Research

Job Family: Geological Sciences & Survey

[Click here to learn more about Indiana University's Job Framework.](#)

Posting Disclaimer

Due to the COVID-19 pandemic, there may be differences in the working conditions as advertised in our standard job postings (e.g., the ability to travel from one campus to another, etc.). If you are invited for an interview, please discuss your questions or concerns regarding the working conditions at that time.

This posting is scheduled to close at 11:59 pm EST on the advertised Close Date. This posting may be closed at any time at the discretion of the University, but will remain open for a minimum of 5 business days. To guarantee full consideration, please submit your application within 5 business days of the Posted Date.

If you wish to include a cover letter, you may include it with your resume when uploading attachments.

New employees will be provided with information regarding Indiana University's COVID-19 vaccine policy, which includes the opportunity to request an exemption. To learn more, view our [COVID-19 vaccine information page](#).

Equal Employment Opportunity

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status. Indiana University does not discriminate on the basis of sex in its educational programs and activities, including employment and admission, as required by Title IX. Questions or complaints regarding Title IX may be referred to the U.S. Department of Education Office for Civil Rights or the university Title IX Coordinator. [See Indiana University's Notice of Non-Discrimination here which includes contact information.](#)

Campus Safety and Security

The Annual Security and Fire Safety Report, containing policy statements, crime and fire statistics for all Indiana University campuses, is [available online](#). You may also request a physical copy by emailing IU Public Safety at iups@iu.edu or by visiting IUPD.

Contact Us

[Request Support](#)

Telephone: 812-856-1234

[Return to Previous Page](#)

[Switch to Internal View](#)
