

## Geoscientist (Lincoln, NE)

The Conservation and Survey Division (CSD), a unit of the University of Nebraska-Lincoln, Institute of Agriculture and Natural Resources, is seeking a motivated individual to research the diverse geology and hydrogeology of eastern Nebraska, a vibrant combination of rural and urban environments. Lincoln's quality of life is consistently ranked among the highest in the U.S. Find more information at <https://www.unl.edu/lincoln/>. This is a 12-month, non-tenure track position consisting of 75% research and 25% extension.

The successful candidate will: (1) demonstrate a thorough understanding of the intimate relationship between sediments, stratigraphy, and groundwater; (2) possess knowledge of Quaternary glacial and fluvial deposits as well as understand the role of bedrock stratigraphy in regional hydrogeology; (3) understand urban and rural water-supply issues; (4) collect and process groundwater monitoring-well data; and (5) help develop cyberinfrastructure for geological and hydrogeological data. The successful candidate will also be expected to cooperate with local and state government agencies and engage in cooperative research with the CSD team and other University personnel.

The successful candidate will plan and conduct basic and applied research on geology (stratigraphy, geomorphology, mapping, etc.) and hydrogeology (aquifer characterization, hydrostratigraphy, stream-aquifer interactions, etc.), emphasizing eastern Nebraska. Work as part of the Conservation Survey Division (CSD) research team in (1) identifying emerging issues in natural resources and water supply, (2) applying new technologies, (3) acquiring external funding, (4) developing cyberinfrastructure, and (5) publishing results (CSD publications, Extension media, and peer-reviewed scientific journals). Present research results at seminars, workshops, and scientific meetings. Collaborate with government agencies (local, state, and federal), municipalities, industry, and educational institutions. Approximately 10% of the FTE will be dedicated to the Statewide Groundwater Level Monitoring Program.

The candidate will also work as part of a CSD team to translate research into educational programs. Contribute to field trips and workshops for practicing professionals. Apply research results in responding to inquiries from stakeholders and the general public. Develop and maintain working relationships with stakeholders to address current issues.

In addition to the above-described duties, the individual will accept committee assignments, reporting responsibilities, and other special ad hoc assignments as requested at the administrative unit, college/division, institute, and/or university level.

A master's degree in geology, geological sciences, or closely related discipline, at time of application is required. GIS skills, the ability to work with large datasets in a digital environment, and a valid driver's license are also required.

Preference will be given to those applicants with a master's degree and at least five years of experience, or a PhD degree, in geology, geological sciences, or closely related discipline, at the time of hiring. Applicants should have research expertise in at least one of the following areas: geological and hydrogeological mapping, stratigraphy and hydrostratigraphy, geomorphology, applied geophysics, 3D geological modeling, remote sensing, unoccupied aircraft systems (UAS), aquifer characterization, stream-aquifer interactions, or groundwater modeling. Experience in successfully managing research programs; experience with glacial geology and hydrogeology; two years of experience planning and conducting geological or hydrogeological investigations, including test-hole drilling, lithologic logging, and/or field geology; a basic understanding of down-hole geophysical logging (e.g., SP, resistivity,

gamma ray); excellent oral and written communication skills, including ability to write and publish research results in bulletins, Extension media, and peer-reviewed scientific journals are preferred. The successful candidate should obtain a monitoring well technician license within two years of hiring.

Recognizing that diversity within a context of inclusivity enhances creativity, innovation, impact, and a sense of belonging, the Institute of Agriculture and Natural Resources (IANR) and Conservation and Survey Division are committed to creating learning, research, extension programming, and work environments that are inclusive of human diversity. We actively encourage applications from and nominations of individuals from underrepresented groups.

To view details of the position and create an application, go to <http://employment.unl.edu>, requisition F\_210010. Click "Apply to this Job" and complete the information form. Attach 1) a letter of interest that describes your qualifications for the job, explains how your research interests and expertise will contribute to team science and innovative educational programs, and describes your experience contributing to inclusive environments; 2) your curriculum vitae; and 3) contact information for three professional references. Review of applications will begin April 1, 2021 and continue until the position is filled or the search is closed.

As an EO/AA employer, qualified applicants are considered for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See <http://www.unl.edu/equity/notice-nondiscrimination>.