

**Map Standards Coordinator**  
**Illinois State Geological Survey**  
**Prairie Research Institute**  
**University of Illinois at Urbana-Champaign**

We are seeking an individual to develop and implement cartographic standards and procedures for the geologic mapping programs of the ISGS. Conduct research into framework base data necessary for geologic mapping applications. Coordinate the formal ISGS review of geologic maps for scientific and cartographic content and standards.

**Responsibilities:** Develop and implement cartographic standards and procedures for the geologic mapping programs of the ISGS. Conduct research into framework base data necessary for geologic mapping applications; supervise processing and symbolization of base data for geologic mapping applications. Communicate information to geologists and GIS/graphics staff on base map availability, cartographic standards, procedure documentation, use of templates and style sets, and storage of GIS and graphics files. Meet with colleagues in order to develop project needs requirements. Train and supervise the work of students in geologic map production. Develop and maintain the ISGS's Geologic Map Data Model database. Supervise the preparation of comprehensive and detailed metadata for the Geologic Map Data Model. Demonstrate continuous effort to improve operations, decrease turnaround times, and streamline work processes by learning and applying new technology and software. Coordinate the formal ISGS review of geologic maps for scientific and cartographic content and standards. Attend, participate in, and give presentations relating to geologic mapping applications at meetings of professional organizations. Supervise the production of hardcopy geologic and derivative maps, cross sections, and other custom map products for publication sales. Prepare graphic and GIS files for distribution on the ISGS website.

**Qualifications:** Bachelor's degree in geology or related discipline with 5 years related industry or research experience. Master's degree is preferred. Knowledge of earth science and principles of cartography. Knowledge of GIS software (preferably ArcGIS/ESRI) and graphics (preferably Adobe Design Suite) software and database, geospatial, and graphic data and file formats. Knowledge of basic principles of relational databases and software. Level of knowledge and ability to learn new graphics and GIS software as needed with minimal instruction; ability to troubleshoot GIS software and data to solve GIS problems. Ability to develop custom scripts or software tools that enhance functionality of ArcGIS. Detail-oriented and able to implement technical standards, specifications, and techniques consistently and accurately. Ability to provide detailed written documentation including metadata, software instructions, standards, and specifications in a clear, concise, and well-structured manner. Ability to use hardware peripherals such as scanners, plotters, and printers. Ability to work independently. Ability to prioritize, accomplish tasks, and meet deadlines. Good communication skills to establish friendly, open, and clear communication with others. Ability and willingness to effectively contribute as part of a team. Ability to train and supervise the work of students. The work of this position takes place in an office setting and in the field. Must be able to sit for extended periods of time working at a computer, using a keyboard and mouse, and using repetitive hand motions. Must be able to travel occasionally, including up to a work week of consecutive nights of overnight travel, to attend meetings.

This is a regular full-time 12-month academic professional position. The starting date is negotiable after the closing date. Salary is commensurate with experience.

Applications must be received by June 1, 2012. To apply, all candidates must submit an online profile through [jobs.illinois.edu](http://jobs.illinois.edu) by the close of the posting period. Qualified candidates must upload a letter of application which details qualifications noted above, résumé, and the names, addresses, phone numbers, and e-mail addresses of three professional references. All requested information must be submitted for your application to be considered. Incomplete information will not be reviewed. For further information please contact Lori Walston-Vonderharr, Human Resources, Illinois State Geological Survey, at [lwalston@illinois.edu](mailto:lwalston@illinois.edu) or 217-244-2401.

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