

Job Title: Geographic Information Systems (GIS) Analyst

Closing Date: Position will remain open until filled

Compensation: \$57,805 – \$78,825 Annually (DOQ)

Salary ranges listed above are evaluated in regards to relevant years of experience and education to determine fair and equitable pay. This is a full time exempt position. MAPA reserves the right to hire at an appropriate level.

Location: Omaha, NE

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The Omaha–Council Bluffs Metropolitan Area Planning Agency (MAPA) is seeking a motivated and experienced GIS professional to support the transportation and data efforts of the agency. Primary activities of this position include managing and leveraging GIS resources to create maps and graphic reports; collecting and handling data; providing mapping services; performing technical research and analysis; and coordinating activities. Candidates should have an in-depth understanding of GIS theory and the methods of operating GIS to develop and analyze data that can be used to support decision-making. Success in this role will be demonstrated by providing support and expertise in the development of the agency's GIS capabilities to meet strategic objectives. The successful candidate will be able to develop and maintain strong working relationships; must be self-motivated and able to work and develop skills independently.

We appreciate and leverage the vast experience individuals bring beyond the technical requirements of a job. If you are an individual with similar experience listed here please consider applying. Experience and skills combined with commitment to our core values is key to building a greater community now and for the next generation; therefore, we encourage people from all backgrounds to apply to this position.

Essential Job Duties:

- Performs GIS data maintenance, analysis, entry, and conversion; perform data research, investigation, and verification; assist with solving technical problems and determining possible solutions.
- Performs complex spatial analysis and database queries; designs, creates, and maintains geodatabases; develops and maintains data layers and spatial data structures using GIS tools and relational databases; and converts data into alternative formats.
- Analyzes data to design and prepare a variety of reports, maps, illustrations, web map applications, and other graphic representations that display layers representing spatial data.
- Uses various programming languages to modify existing software to increase functionality, automate processes, or build analysis tools; writes and maintains scripts; debugs application flow and design, documents and tests software modifications; and translates geographic and demographic data into formulas for data entry.
- Provides technical support on GIS software; serves as a technical resource for other staff on difficult GIS databases and application issues; and provides training to work groups using GIS applications and mapping.
- Participates in work and advisory groups to coordinate data use with other departments and external agencies

Requirements Include:

- Bachelor's degree in geography, planning, computer science, or related field; one year of experience in the use of ArcGIS Desktop, and relational databases.
- This position will be expected to maintain extensive knowledge in Environmental Systems Research Institute (ESRI) solutions and successfully analyze data and present data visualizations.



Knowledge of:

- Principles, practices, concepts and techniques of Geographic Information Systems (GIS) theory and function; GIS data management, database structures, design, and management
- ESRI desktop software, including ArcGIS Pro
- Complex GIS analysis techniques
- Project management methodologies
- Database management and data analysis
- Other mapping/geospatial technologies
- Terminology, methods and techniques used in developing maps and related technical records
- Pertinent local, county, state, and federal statutes, laws, ordinances, and rules as they apply to mapping requirements.

Ability to:

- Operate contemporary GIS software and associated computer systems sufficiently to effectively carry out the duties typical to the position
- Use GIS software to develop scripts, models, and GIS tools
- Use programming language typical to GIS software applications to modify computer programs, automate geoprocessing, and build data analysis tools
- Manage multiple projects; plan project work, track progress, and meet associated planned outcomes
- Perform moderately complex technical computations, compile or analyze GIS data and statistics, and develop mapping products; and
- Operate word processing, spreadsheet programs, or other application software typical to office environments and the position.

Benefits:

MAPA offers generous employee benefits including but not limited to:

- Major Medical Insurance
- Dental & Vision Insurance
- Flexible Spending Account (FSA)
- Paid Annual Leave and Sick Leave
- 13.5 Paid Federal Holidays
- Heartland B-Cycle Corporate Membership
- Employer Contributions to Retirement
- Tuition Reimbursement & Professional Development
- Flexible Scheduling

About MAPA:

MAPA is the Council of Governments serving a six-county region (Cass, Douglas, Sarpy and Washington Counties in Nebraska and Mills and Pottawattamie Counties in Iowa). MAPA performs work related to planning, community development, and transportation and other issues of regional significance. Our purpose is to promote and preserve the quality of life for a more happy, healthy and vibrant region. As a forum for intergovernmental cooperation, we are positioned uniquely to fill in the gaps as connectors, facilitators, advisors, implementers, with a big picture vision and an everyday attention to detail. A career at MAPA is an opportunity to work in an interesting field and make a difference in the region for years to come.

More details on MAPA can be found at: mapacog.org

If you have any questions please contact: Christina Brownell | Director of Administration | Cbrownell@mapacog.org

