



## Human Resources

### Davie County Government

123 South Main | Mocksville, NC 27028 | 336.753.6015

#### Geographic Information Systems (GIS) Analyst Technology Solutions Department

The Geographic Information Systems (GIS) Analyst performs complex technical and analytical GIS tasks including prepare and generate GIS maps and map templates; configure geodatabases; develop and implement internet/web-based GIS services; manage tabular and relational database information; design and produce reports; create, edit, update and generally maintain GIS data sets; perform analysis through geoprocessing of spatial data; perform data searches and distribute data; analyze spatial data for geographic statistics; Work is performed under the general supervision of the Chief Technology Officer and is evaluated through conferences, review of work products, and feedback from users on the system. Regular, predictable, full attendance is an essential function of the job.

**Duties and Responsibilities:** Designs and develops GIS systems and databases with software and data. Develops applications for data maintenance, display, reporting, and analysis of both web-based and desktop-based applications. Serves as Technical Lead for contracted services and projects involving GIS. Researches and recommends hardware and software upgrades to support GIS functions. Creates maps, analyses, reports, and data for distribution as needed. Assists and trains other staff members in the use and maintenance of GIS data and applications. Interprets maps and documents used to maintain GIS data. Assists GIS users (County departments' staff and the general public) with questions concerning GIS services, data, and mapping. Educates users on GIS, and assists them in GIS analysis and problem resolutions. Plans and coordinates GIS application and database development. Coordinates GIS data, database, and application development activities with other departments' representatives to assure timely success of GIS development, integration, enhancement, update, and maintenance. Diagnoses and resolves GIS problems, as related to the design of the system, system integrations, and database structure to improve the performance of GIS. Provides technical and project management support for Davie County departments related to GIS. Develops intermediate and long-term plans for GIS projects with project managers and representatives from the departments. Maintains technical expertise to evaluate GIS systems. Assures that completed projects meet the highest standards of systems work and are in compliance with established GIS standards. Design, develop, manage and maintain GIS databases and applications with associated database dictionaries, policies and procedures. Coordinate and lead GIS initiatives and collaborative works with other entities and acts as a liaison to external organizations and the public. Other duties as assigned.

**Minimum Education & Experience:** Bachelor's Degree from an accredited university or college with major course work in geography and GIS or a related field with considerable and demonstrated experience in municipal, county, or regional GIS systems. Must have thorough knowledge of the design, development, and support of GIS applications; geospatial databases; esri's ArcGIS Desktop; relational database concepts and working knowledge of Microsoft SQL Server; ArcGIS Server and ArcGIS web services; and Python scripting and ArcGIS Model Builder. Preference given to candidates with Geographic Information Systems Professional® (GISP) Certification.

**Special Requirements:** Must be able to physically perform the basic life operational functions of climbing, stooping, kneeling, crouching, reaching, walking, lifting, grasping, feeling, talking, hearing, and repetitive motions. Must be able to perform medium work exerting up to 50 pounds of force occasionally, and/or up to 20 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects. Must possess the visual acuity to work with data and figures, to use measurement devices, to operate a desktop computer, and to read extensively. Must have and maintain a valid North Carolina driver's license.

Salary Grade: 69 (Entry: \$41,201, non-exempt)

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DavieCountyNC.gov  

### Davie County is an Equal Opportunity Employer.

Our Equal Employment Opportunity Plan is located at [DavieCountyNC.gov](http://DavieCountyNC.gov) under Human Resources.

