

MACON-BIBB COUNTY GOVERNMENT
PLEASE POST FOR ALL POTENTIAL APPLICANTS TO READ

POST DATES: 01/02/2015 – Until Filled

CLASSIFICATION TITLE: GIS Programmer Analyst III

MINIMUM ANNUAL SALARY: \$48,526.40

WORK WEEK: M - F

LOCATION: IT/GIS (Courthouse)

DEPT. HEAD: Steve Masteller

WORK HOURS: 8:30 am to 5:30 pm

NEW REQUIREMENT

REPLACEMENT

Job Summary: This position requires the ability to lead when instructed and may supervise others in the creation of scopes associated with projects, quality assurance and data cleansing efforts, and applications, maintaining and collecting geospatial data, developing spatial data models, creating data workflow models, performing data analysis, transforming data into useful, standardized information, address information requests pertaining to GIS information by creating ad-hoc and automated applications that generate timely and accurate deliverables, and creating maps and reports to support the operational needs of the County.

Duties and Responsibilities:

Research opportunities to obtain useful GIS-related data to enhance the overall GIS; cleanse GIS data to comply with GIS quality control standards; validate the accuracy and integrity of GIS data; incorporate validated and cleansed GIS data into accurate maintained GIS layered information; create GIS layers under the direction of the GIS Manager; and, perform GPS field work to validate and collect new GIS information.

Perform spatial and tabular analysis for use in GIS web applications both internally and for public use; publish ArcGIS services to be utilized by Public Administration ERP and Public Safety ERP; create GIS web-based applications and organize GIS SQL data to optimally present spatial information, including high quality maps and electronic display of varying complexity from the GIS system to meet department and citizen needs; and, incorporate automation with geo-processing models and scripts for routine tasks and general information presentation.

Coordinate with GIS Manager in exploring opportunities throughout the enterprise where application creation and enhancements and transforming GIS data into GIS information that will provide value to both end-users and in the decision-making processes.

Write and/or modify web development software; assist GIS Manager with administration of software; assist GIS Manager in performing software implementation and upgrades,

Conduct research in an effort to continually enhance technical growth individually, within the department, and within the organization where applicable; and act as a mentor concerning

professionalism and technical skill sets within the Department of IT, Macon-Bibb County, and external to Macon-Bibb County.

Perform other related duties as assigned

Knowledge, Skills, and Abilities

Knowledge of spatial data, raster and vector data, and GIS/GPS foundational concepts

Knowledge of GIS database architecture and organizing layer-based information

Skill in GIS advanced application programming development

Skill in ESRI software including ArcGIS desktop and server and SQL

Skill in developing various web application languages including JavaScript, Flex and Silverlight

Skill in methods and techniques of research, statistical analysis and report preparation

Skill in building professional relationships

Skill in creating GIS information oriented toward a specific goal or the decision-making process at hand

Skill concerning professionalism and courteousness

Skill in leading GIS programming projects involving scope definition and meeting objectives

Skill in educating via both “broad-brush” and detailed when applicable

Ability to lead, and at times, supervise GIS staff in achieving stated objectives

Ability to focus on achieving goals, including those involving external departments, agencies, and public

Ability to communicate effectively (verbal and written)

Ability to multi-task in a high activity/energy professional environment that includes multiple and concurrent projects and project deadlines, and occasional interruptions and walk-in appointments

Ability to resolve problems in a timely, efficient and effective manner

Ability to plan, coordinate and organize work; set priorities and meet critical deadlines

Minimum Qualifications

A Bachelor’s degree in Computer Science, Geography, or a related field with (2) years of progressive GIS application development experience; or an Associate’s degree in similar course work in conjunction with GIS-related credentials and (4) years of progressive GIS application development experience.; or an equivalent combination of relevant education and experience deemed appropriate by the Director to provide sufficient knowledge, skills and abilities to successfully perform the duties and responsibilities of the position.

Certified Geographic Information Systems Professional (GISP) preferred

Special Requirements

Must possess a valid Georgia Driver's License.

Working Conditions

Typically works in temperature controlled office environment, barring infrequent field work

Minimum travel

High visibility of behavior

Moderate physical activity (lifting, stretching, standing)

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER