Job Overview Summary:
This is professional, technical and analytical work involving the research, analysis and design of Geographic Information Systems (GIS) and other highly technical software. Employees in this position are expected to be able to perform any and all work tasks and comply with any work schedules, attendance, or duty requirements which may be established by City or department rules, or applicable union contracts. Work is performed with considerable latitude under the direction of an administrative supervisor who reviews the work through conferences, observation, analysis of reports and programs and the evaluation of results achieved.

Duties:
- Creates and edits spatial data to analyze data and creates hard copy maps.
- Creates and maintains GIS web applications using various programming languages.
- Uses geoprocessing and editing tools to analyze, edit, import, and export data.
- Creates and supports web services to build web mapping applications.
- Supports and administers GIS server and desktop software.
- Writes code to deliver and maintain customized mapping applications and develops automated ETL (extract, transform, load) processes to migrate external data into the enterprise geodatabase.
- Assists in creating and maintaining documentation for project requirements, processes, workflows, and application development.
- Develops and implements training for GIS users; prepares documentation and user guides.
- Coordinates data needs and map products with customers and the supervisor or coordinator; creates and provides customers with various reports.
- Provides GIS technical support to other City departments and the public.
- Writes SQL queries and scripts to the GIS Oracle database.
- May provide lead supervision on projects over other technical staff, as assigned.
- Performs related work as assigned.

Minimum Qualifications:
Graduation from an accredited four-year college or university with major course work in computer science, geography, engineering, planning, or a related field, with experience in the development and implementation of user training.

Progressively responsible experience is desirable in working in a GIS programming environment with advanced knowledge of Microsoft Windows and Windows Server including, IIS, ArcGIS Server, ArcGIS SDE, ArcGIS Online, SQL for Oracle, Javascript, CSS, HTML, Oracle Spatial, and Python.

Knowledge and Skills:
- Through knowledge of GIS concepts of cartography, presentation graphics, digitizing techniques, map scales, map projections, coordinate systems and data.
• Knowledge of information systems including databases, operating systems, and application development tools.
• Knowledge and basic skills in programming such as flow charting, object oriented design, and debugging code.
• Knowledge of MS Office applications.
• Knowledge of computer networks including servers and desktops.
• Ability to troubleshoot and correct application errors and data integrity issues.
• Ability to read, write and understand application software manuals, technical publications, and other related documents.
• Ability to communicate clearly and concisely, orally and in writing.
• Ability to establish and maintain a working relationships with employees and other agencies, as necessitated by the work.

**Required Responsibilities:**
Successful demonstration of cultural competence, work standards, quality work product, productivity, and job knowledge are standard expectations for all city staff and employees.

**Core Competencies:**
• Analysis
• Continuous Learning
• Customer Focus
• Decision Making
• Initiative
• Planning and Organization
• Problem-Solving

**Necessary Special Requirements:**
If assigned duties require the use of a personal motor vehicle, an automobile insurance policy that meets the minimum requirements of liability established by the State of Florida for property damage and personal injury coverage must be maintained.