



## CLASS SPECIFICATION

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|---------------------|----------------------------|--------------------|------------|
| <b>Class Title:</b> | GIS Support Specialist III | <b>Class Code:</b> | 7791       |
| <b>Department:</b>  | Information Systems        | <b>Grade:</b>      | 24         |
| <b>7FLSA:</b>       | Non-Exempt                 | <b>Eff. Date:</b>  | 07/22/2024 |

### GENERAL PURPOSE

Under general supervision from the Network Services Manager and GIS Team Leader performs professional and technical work in assisting our GIS team with analyzing and maintaining the Davis County GIS system.

### EXAMPLE OF DUTIES

Plans, develops and designs data, mapping, analysis, GIS services and web applications for the use of GIS in the County.

Develops practical, workable, and cost-effective solutions to business problems to satisfy client requirements.

Develops and extends application using Python, Arcade, Javascript, HTML, CSS Typescript.

Effectively researches, analyzes and identifies current and emergency technology, trends, products and concepts that can improve the teams and clients business process.

Writes complex queries for ad-hoc requests and data analysis; develops stored procedures, triggers, and functions across varied platforms with SQL in conjunction with Davis County database administrator.

Serves as a high-level technical expert in design, development, implementation, and testing of complex GIS applications or significant enhancements to existing GIS applications.

Assists in the implementation of new methods for end-users to consume GIS data such as via other applications, tablets, smart phones, or create custom tools to improve workflow.

Performs related duties as assigned.

### MINIMUM QUALIFICATIONS

#### 1. Education and Experience:

Graduation from an accredited college or university with a Bachelor's Degree in Geography, Civil Engineering, Computer Science, Natural Resources, Environmental Studies, Planning or a related field; plus six (6) years of directly related experience applying GIS products and technologies, or related experience. An acceptable combination of education and experience may be considered.

Experience with:

- various forms of JavaScript GIS APIs, including ArcGIS JS API
- handling and conversion of multiple spatial and non-spatial data sources

- performing GIS web-based development of GIS applications
- developing GIS solutions using Visual Basic, ASP.NET (or other object oriented languages) and mapping SDKs including experience in using Visual Studio
- using Python, Arcade, Javascript, Experience Builder, and SQL

**2. Special Qualifications:**

Must pass a criminal history background investigation.

Employees driving a personal or a County vehicle for job related travel must possess a valid driver license, maintain the minimum vehicle liability insurance as specified in the Utah Code, and must operate a motor vehicle in a safe manner; new employees with an out-of-state license must obtain a valid Utah Driver License within sixty (60) days of hire date (exceptions for military personnel and their dependents).

**3. Necessary Knowledge, Skills and Abilities:**

**Knowledge of:** automated mapping/GIS software and related hardware; GIS techniques of digital conversion and analysis (COGO, photo interpretation and geo processing); cartography in an automated mapping/cartography environment; concepts of data management of relational databases (SQL or SDE); legal descriptions, deeds, survey data, tract descriptions and maps.

**Skill in:** remote sensing, asset management, ArcSDE, ArcGIS Server, geoprocessing tools; efficiently operating all applicable computer hardware and software applications.

This position may require the driving of a motor vehicle; skill in operating a motor vehicle in a safe manner; ability to insure motor vehicle is operating in a safe manner; knowledge of Utah motor vehicle rules and regulations.

**Ability to:** analyze and solve problems; read maps; coordinate multiple projects simultaneously; use forms and drop down menus to enter data in GIS databases; work effectively in a team environment; work with minimal supervision; work for sustained periods of time maintaining concentrated attention to detail; establish and maintain effective working relationships with supervisors, other employees, and the general public; communicate effectively (verbally and in writing); follow written and oral instructions.

The above statements are intended to describe the general nature and level of work being performed by persons assigned to this job. They are not intended to be an exhaustive list of all duties, responsibilities and skills required of personnel so classified. **All requirements are subject to possible modifications to reasonably accommodate individuals with disabilities.**