



CLASS SPECIFICATION

Class Code: 60015835
Date Established: 03/2001
Last reviewed: 10/2021
Last Revised: 10/2021
Last Title Change: 05/2006
FLSA: exempt
Probation: 12 months

TECHNOLOGY SYSTEMS DEVELOPER II

DEFINITION

Under general supervision, analyzes user needs, designs programs and implements code in order to create and modify applications in response to user needs; and performs related work as required.

EXPERIENCE AND TRAINING REQUIREMENTS

A bachelor's degree from an accredited college or university in computer information systems, geographic information systems, or a closely related field AND one year of full-time experience in programming and program analysis, database development and implementation, and working with information technology; OR an equivalent combination of education and experience.

LICENSE OR CERTIFICATE

A valid driver's license may be required at the time of appointment.

DISTINGUISHING CHARACTERISTICS

This is the journey level in the Technology Systems class series. Incumbents of this class spend an approximate equal amount of time conducting application analysis and design as well as programming duties. Incumbents may be responsible for a basic project or assigned as a team member to a large complex project and work with greater independence than the Technology Systems Developer I. This class provides for a GIS option in which incumbents would be required to perform specialized duties related to that option. This class also allows for additional specialized experience and training requirements based on the area of assignment. This classification is distinguished from the Senior Technology Systems Developer in that the latter is primarily responsible for systems analysis.

SUPERVISION EXERCISED

Exercises no direct supervision.

EXAMPLES OF DUTIES *(The following is used as a partial description and is not restrictive as to duties required.)*

Meet with users to determine specific needs, analyze existing/new programs in order to create and maintain efficient information technology applications.

Create program specifications, flow charts and decision tables in order to develop coded instructions to create or modify applications.

Develop final program changes, modify programs, prepare final documentation, and develop procedures manual.

Develop and update user guides; instruct users in the use of new software, systems operation, and standard procedures.

Participates in database design, implementation and maintenance; use database tools to create, convert, and modify databases.

Convert data and/or software from one information technology system to another and debug changeover problems.

Meet with vendors, preview new products and maintain current information and technology skills in order to serve as a resource to users and staff.

GIS Option:

Meet with users to determine specific needs, analyze existing/new programs in order to create and maintain efficient information technology applications for requested general or spatial data products.

Perform analytical computer modeling utilizing data from a variety of sources to produce requested maps and reports.

Spatial database development and analysis of GIS systems.

Develop internet and intranet web pages for GIS products.

Create cartographic products, analyze data, create reports, and provide results using verbal and written communication.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Full Performance *(These may be acquired on the job and are needed to perform the work assigned.)*

Knowledge of:

Operating methods and procedures for Washoe County's information technology equipment, including methods used in the development of computer programs, documentation, and procedure manuals.

Databases and database software used in Washoe County.

Departmental/division policies and procedures.

Ability to:

Perform the full range of application and specification development, programming, and database modification jobs and assignments.

GIS Option:

Knowledge of:

Use of Geographic Information System for complex County applications.

Ability to:

Perform GIS modeling and write programs using GIS related programming languages.

Entry Level *(Applicants will be screened for possession of these through written, oral, performance, or other evaluation methods.)*

Knowledge of:

Information technology application development and design including web-based applications.

Programming languages used in Washoe County.

Program specification development.

Fundamentals of computer programming and documentation techniques.

Database software.

File design.

Ability to:

Analyze work systems and information requirements and develop information technology applications.

Analyze problems and develop solutions as a series of logical steps.

Analyze data and reaches logical conclusions.

Design information technology applications and develop program specifications.

Translate specifications into computer programs.

Prepare and test computer programs.

Prepare and maintain program documentation and operating procedures manuals.

Prepare, instruct, or present detailed oral and written reports.

Communicate effectively both orally and in writing.

Interpret and apply regulations, policies, and procedures.

Establish and maintain effective working relationships with department staff and representatives of other departments.

GIS Option:

Knowledge of:

GIS complex database software, design principles and systems.

Fundamental principles and practices of cartography.

SPECIAL REQUIREMENTS *(Essential duties require the following physical skills and work environment.)*

Ability to sit for extended periods. Ability to frequently stand, walk, stoop, and kneel. Ability to use data processing and associated equipment. Ability to work in an environment with controlled temperatures.

This class specification is used for classification, recruitment and examination purposes. It is not to be considered a substitute for work performance standards.