



COMMONWEALTH OF KENTUCKY JOB CLASS SPECIFICATION

GIS ANALYST III

Job Number: 20001875

Job Code: 97820V250216

Job Group: 9700 - INFORMATION MANAGEMENT SUPPORT

Job Established: 05/16/1991

Job Revised: 02/16/2025

Grade: 15 Salary (MIN - MID):

\$24,863-\$37,295 - Hourly

\$4,040.24-\$6,060.44 - 37.5 Hr. Monthly Salary

\$4,309.60-\$6,464.48 - 40 Hr. Monthly Salary

Special Entrance Rate:

\$35,498 - Hourly

\$5,768.44 - 37.5 Hr. Monthly Salary

\$6,153.00 - 40 Hr. Monthly Salary

PROBATIONARY PERIOD:

This job has an initial and promotional probationary period of 6 months, except as provided in KRS 18A.111.

CHARACTERISTICS OF THE JOB: *Characteristics of a job are general statements indicating the level of responsibility and discretion of positions in that job classification. These are not intended to be an exhaustive list.*

Utilizes geographic information system (GIS) hardware and software to perform advanced technical GIS activities. Provides expertise in the analysis of spatial data and the production of map products. Develops geospatial applications for automation using scripting language requiring complex coding; and performs other duties as required.

MINIMUM REQUIREMENTS:

EDUCATION:

Graduate of a college or university with a bachelor's degree. Applicant must have successfully completed six semester hours in computer science, data processing, or geographic information system courses.

EXPERIENCE, TRAINING, OR SKILLS:

Three years experience in a technology or GIS-related field.

Substitute EDUCATION for EXPERIENCE:

A master's degree in GIS-related field will substitute for two years of experience.

Substitute EXPERIENCE for EDUCATION:

Additional experience in a technology or GIS-related field will substitute for the bachelor's degree requirement on a year-for-year basis OR Related technical or vocational training will substitute for the bachelor's degree requirement on a year-for-year basis.

SPECIAL REQUIREMENTS (AGE, LICENSURE, REGULATION, ETC.):

NONE

EXAMPLES OF DUTIES OR RESPONSIBILITIES OF THE JOB CLASSIFICATION: *Examples of duties or responsibilities are not to be construed as describing what the duties or responsibilities of any position shall be and are not to be construed as limiting the appointing authority's ability to assign, or otherwise alter the duties and responsibilities of a position. This is not intended to be an exhaustive list.*

Develops and configures geospatial applications using scripting programming language with more complex coding. Uses existing GIS software to capture and manage spatial data. Oversees quality analysis review on data. Automates complex map production showing spatial analyses results. Configures and customizes geospatial desktop, web, and mobile applications. Uses scripting language for automation or builds complex models. Provides expert level user support for GIS applications. Designs curriculum, creates class material, and leads training in GIS classes. Creates, reviews, and edits technical and user documentation for applications. Advises agency leadership on matters relating to the use of GIS for policy decisions. Assists management in reviewing legislation. Designs and develops software to meet end users' GIS application needs. Compiles, inputs, modifies, and enhances computer maps. Produces complex GIS/computer models using digital spatial tools and tabular information. Provides advanced user support and training for geographic database and map systems. Develops specifications for use in conversion of hardcopy map products to digital format. Develops advanced testing programs to do quality analysis on digitized data and map products. Designs programs to automate tasks. Provides guidance and makes recommendation in the use of externally sourced data such as aerial photography, UAS-collected data, Global Positioning System (GPS) data, elevation data, scanned imagery, deeds, plats, CADD drawings, etc., in the course of system development. Performs business analysis on existing business processes to define and develop new GIS processes for data creation, analysis, and maintenance. Designs, documents, and implements digital map products. Initiates reviews of existing or new digital map products and prioritizes update schedule. Reviews agency policies and processes and how they impact spatial data. Advises management on policies and identifies potential statutory updates. Responsible for review of new and existing legislation related to GIS and mapping. Provides user support and training for geographic database and mapping software; creates curriculum and teaches classes in classroom and remote settings. Responsible for complex technical support and analysis in back-end maintenance of GIS implementations. Researches and advises on the industry standards for aerial photography, remotely sensed data, use of GPS data, or scanned imagery in the course of system development. Develops specifications for the compilation, conversion, modification, and enhancement of digital data and mapping products. Designs spatial database libraries for the efficient storage and modification of spatial data. Creates stored queries and reports.

UNIQUE PHYSICAL REQUIREMENTS:

Any unique physical requirements necessary to perform the duties of a specific position will be listed on the individual position description, if applicable.

TYPICAL WORKING CONDITIONS: *Incumbents in the job will typically perform their job duties under these conditions.*

Incumbents working in this job title primarily perform duties in an office setting.

ADDITIONAL REQUIREMENTS:

Upon employment, employees in this job classification may be required to maintain a valid driver's license and may be required to drive a licensed vehicle. This status may be necessary for the length of time in this job classification. If this is necessary, it will be listed in the specific position description for the position at issue. Applicants and employees in this job classification may be required to submit to a drug- screening test and background check. Applicants and employees in positions which perform job duties that may require contact with offenders in the custody or supervision of the Department of Corrections or with youth in the care, custody, or supervision of the Department of Juvenile Justice must meet qualifications pursuant to the federal Prison Rape Elimination Act, 28 C.F.R.115.17 and 115.317.

The Commonwealth of Kentucky does not discriminate on the basis of race, color, sex, disability, age, national origin, religion, sexual orientation, gender identity or expression, pregnancy or related medical condition, marital or familial status, ancestry, political affiliation, genetic information, or veteran status in accordance with state and federal laws.