



# Geographic Information Specialist III

Salary Group: B22

Class Code: 0272

<u>CLASS TITLE</u>	<u>CLASS CODE</u>	<u>SALARY GROUP</u>	<u>SALARY RANGE</u>
GEOGRAPHIC INFORMATION SPECIALIST I	0270	B18	\$39,521 - \$64,449
GEOGRAPHIC INFORMATION SPECIALIST II	0271	B20	\$45,158 - \$73,788
<b>GEOGRAPHIC INFORMATION SPECIALIST III</b>	<b>0272</b>	<b>B22</b>	<b>\$51,614 - \$84,479</b>
GEOGRAPHIC INFORMATION SPECIALIST IV	0273	B24	\$59,004 - \$96,720
GEOGRAPHIC INFORMATION SPECIALIST V	0274	B26	\$69,415 - \$117,397

## GENERAL DESCRIPTION

Performs highly complex (senior-level) geographic information system work. Work involves coordinating the input and manipulation of geographic information to create, maintain, display, update, and produce accurate maps and other representation of data. May serve as lead worker providing direction to others. Works under limited supervision, with considerable latitude for the use of initiative and independent judgment.

## EXAMPLES OF WORK PERFORMED

Reviews geographic data from sources including censuses, field observations, satellite imagery, aerial photographs, and existing maps; and creates and modifies maps, graphs, or diagrams using geographic information software and related equipment.

Provides technical assistance and support for geographic information system projects, applications, and data

Digitizes, analyzes, and maintains spatial databases of relevant information, documents procedures, validates data for accuracy and completeness, completes approved metadata forms, and produces maps of the resulting information.

Conducts research to ensure accurate use of data and to resolve conflicting information.

Imports, creates, reformats, and processes data to produce spatial distribution maps for various studies.

Writes programs and develops user interfaces, menus, and macro-level commands to meet user needs.

Provides consulting services in fields such as resource development and management, environmental hazards, transportation management, regional cultural history, and urban social planning.

May serve as a lead worker providing direction to others.

Performs related work as assigned.

## **GENERAL QUALIFICATION GUIDELINES**

### **EXPERIENCE AND EDUCATION**

Experience in geographic information systems analysis and design work. Graduation from an accredited four-year college or university with major coursework in computer science, computer information systems, geography, geographic information systems technology, management information systems, or a related field is generally preferred. Education and experience may be substituted for one another.

### **KNOWLEDGE, SKILLS, AND ABILITIES**

Knowledge of terminology related to geographic information systems, including legal descriptions, cartography, engineering, construction plans, aerial photography, and orthophotography.

Skill in solving problems; in testing, installing, and implementing geographic information system programs; in the use of applicable software; and in troubleshooting system issues.

Ability to analyze geographic information systems and procedures; to read and interpret surveys, legal descriptions, cartography, engineering documents, construction plans, aerial photography, and orthophotography; to communicate effectively; and to service as a lead worker providing direction to others.