



Classification: Computer Information Technologist II

Title Code: V08002

Pay Range: 25

POSITION SUMMARY:

This is journey-level professional and technical work in computer systems analysis, design, programming, and/or the administration of a midrange or microcomputer environment. An employee in this class is responsible for moderately complex analysis, design, programming, administration, and configuration of computer hardware and/or software in a midrange and/or microcomputer environment. Work may be in support of areas such as cyber-security, applications, internet, operating systems, database, mapping, IT training/procurement and network administration. Duties may include providing customer support or assistance with more complex work, or troubleshooting hardware and/or software problems. Work may be distinguished from that of a Computer Information Technologist I by the degree of independence with which work is performed and/or by the variety and complexity of duties assigned. Work is performed under general supervision.

DESCRIPTION OF DUTIES PERFORMED:

(Any one position may not include all of the duties listed nor do the listed examples include all tasks which may be found in positions of this class.)

Designs, writes, maintains, documents and tests computer programs of moderate complexity and clearly defined segments of more complex programs.

Responds to questions from customers needing assistance; identifies problem source (hardware, software or operator error) and resolves problems; refers and discusses problems with supervisor or other designated contacts, as appropriate.

Develops query programs to generate reports upon customer request.

Serves as support person/customer contact for systems of moderate complexity, and/or supports a limited number of systems of higher complexity.

Assists with the review of new software applications prior to full implementation to determine ease of use and detect potential problems.

Assists with the review of performance issues and tuning of systems for optimum performance.

Uses database dictionaries, software reference libraries, and other related components of programming or analysis.

Uses data security software packages to allow access to resources and functions as authorized.

Updates standards, policies, procedures, guidelines, and technical manuals as directed.

Participates in meetings, training seminars, and user groups.

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Reviews and updates cyber-security policies, participates in the development of plans for emergencies, prepares and/or conducts cyber-security awareness and training, reports, investigates and takes corrective action for security audit findings, administers and oversees security systems such as access control, encryption, anti-virus, firewalls, etc.

Responds to emergency situations to resolve problems, as required.

Assists with installing, maintaining, defining, organizing, controlling, and protecting hardware and software products.

Assists with creating, monitoring, and modifying the physical size and structure of database components and programs that support, maintain, and generate information from a database.

Assists with defining, organizing, controlling, and protecting databases or networks.

Assists with configuration of computer operating systems.

Uses, creates and/or updates utility programs.

Receives formal and on the job training.

Use MSHP software development tools to develop software code.

Performs other related work as assigned.

REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:

Working knowledge of the principles of computer programming and systems analysis, design, testing and documentation.

Working knowledge of the general operating principles and capabilities of computer hardware and software.

Working knowledge of software reference libraries and related utility programs.

Working knowledge of computer security systems and procedures.

Working knowledge of computer networking and telecommunications.

Working knowledge of computer operating systems.

Working knowledge of database management systems.

Some knowledge of agency's automated information systems.

Ability to prepare and interpret computer program documentation.

Ability to prepare and maintain standards, policies, procedures, guidelines and technical manuals.

Ability to analyze policies, procedures and operations, organize their component parts into routine system specifications, databases and/or programs and adapt them to an automated system.

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Ability to troubleshoot and resolve routine hardware and/or software problems.

Ability to communicate effectively.

Ability to handle restricted and confidential information in a professional manner and maintain the information as such.

Ability to communicate in English clearly and concisely, both orally and in writing.

Ability to establish and maintain harmonious working relations with others.

Ability to work with material that may be of a sexual nature relating to criminal activity (e.g., written material, photographs, and/or verbal language, etc.).

Ability to work hours as assigned.

MINIMUM EXPERIENCE AND EDUCATION REQUIRED:

(The following represents the minimum qualifications used to accept applicants, provided that equivalent substitution will be permitted in case of deficiencies in either experience or education.)

One year of professional and technical computer information technology systems experience (comparable to Computer Information Technologist I) such as computer programming, computer systems analysis and design, or work with primary responsibility for the configuration of a midrange and/or microcomputer hardware and software, network administration or closely related areas;

AND

Graduation from an accredited four-year college or university with at least fifteen (15) semester hours in computer science, computer information systems or closely related areas. (Computer information technology systems experience such as computer programming, systems analysis and design, geographic information systems, or work with primary responsibility for the configuration of computer hardware and software in a midrange and/or microcomputer environment may be substituted on a year-for-year basis for deficiencies in the stated education. Graduate work in computer science, computer information systems or closely related areas may be substituted on a year-for-year basis for the stated experience.)

OR

One year as a Computer Information Technologist I under the Missouri Uniform Classification and Pay System.

NECESSARY SPECIAL REQUIREMENTS:

None

FLSA STATUS: Non-Exempt

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WORK SCHEDULE: An employee in this position works an eight-hour shift as directed; however, working hours are subject to change at the discretion of the commanding authority.