

SENIOR NETWORK ANALYST

DISTINGUISHING FEATURES OF THE CLASS: This is a technical position responsible for designing, administering and participating in the maintenance, repair, and operation of computer networks. Work involves the installation of the network equipment and analyzing hardware and software network problems. The employee works under the general supervision of a higher level staff member. The employee may supervise a team project. Does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative only)

Installs and runs internet protocol networks;
 Designs, installs, and maintains local area networks, campus area networks, municipal area networks, wide area networks;
 Installs, configures, and maintains network servers;
 Maintains firewall administration, internet security, network application issues and switch/router and wide area network configurations;
 Administers personal computer networks involving installation, maintenance, and repair;
 Analyzes and takes corrective action to resolve network problems involving computers and data communications hardware and software using appropriate analyzing tools;
 Maintains up-to-date knowledge of new trends and technology for computer hardware, software and networking;
 Tests new computer hardware and software;
 Consults with users, vendors and technical staff regarding the purchase of computer hardware, software and networks;
 Informs management of any adverse condition;
 Leads special projects involving network management;
 Researches, evaluates and documents solutions to technology needs;
 Informs and trains users and technical staff.

FULL PERFORMANCE, KNOWLEDGE, SKILLS, ABILITY AND PERSONAL CHARACTERISTICS:

Thorough knowledge of personal computer and product technology; good knowledge of logical operations of computer and data communication devices; working knowledge of data processing methodology and techniques; ability to define and recommend computer hardware and software; ability to detect and resolve severe computer breakdowns and problems; good knowledge of file servers, routers, and hubs; ability to create and implement network design and installation of all hardware and software; ability to establish and maintain effective working relationships; ability to work with customers to implement technology plans; initiative; patience; dependability; good judgment; ability to work as part of a team and assume a leadership role; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: EITHER:

1. Graduation from a regionally accredited or New York State registered college or university with a Bachelor's degree in Computer Science, Computer Technology, Data Processing, Management Information Systems, AND four (4) years of full-time paid, or its part-time equivalent, experience responsible for the maintenance, configuration or installation of personal computer hardware and software for local area networks; OR
2. Graduation from a regionally accredited college or university with an Associate's Degree in Computer Science, Computer Technology, Data Processing, Management Information Systems, AND six (6) years of full-time paid, or its part-time equivalent, experience as defined in (1) above; OR

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MINIMUM QUALIFICATIONS: (Continued)

3. Graduation from high school or possession of a high school equivalency diploma AND eight (8) years of full-time paid, or its part-time equivalent, as defined in (1) above; OR
4. An equivalent combination of training and experience as defined by the limits of (1), (2), and (3) above.

NOTE: Advanced education degree received, in a program or specific field noted above, will be accepted in lieu of the minimum education noted.

REVISED: 3/3/10, 2/4/19

CIVIL SERVICE CLASSIFICATION: COMPETITIVE