

SENIOR NETWORK TECHNICIAN

DISTINGUISHING FEATURES OF THE CLASS: The work involves responsibility 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 incumbent does related work as required.

TYPICAL WORK ACTIVITIES: (*Illustrative only*)

Designs, installs and maintains building local area networks, office campus area networks, municipal area networks, and wide area networks;

Installs, configures and maintains network file servers, micro-computers and printers;

Installs and runs Internet protocol networks;

Administers personal computer networks involving installation, maintenance and repair;

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 in hardware or software functioning;

Leads special projects involving network management;

Researches, evaluates and documents solutions to technology needs;

Informs and trains users and technical staff in network operation;

Assists in developing direction and growth of information technology;

Evaluates and recommends acquisition of hardware and software;

Maintains Internet security.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Thorough knowledge of micro-computer and product technology; good knowledge of logical operations of computer and data communication devices; working knowledge of information technology processing methodology and techniques; ability to define and recommend computer hardware and software; ability to detect and resolve micro-computer breakdown and problems; ability to configure work stations, servers and local and wide area networks; computer literacy; good knowledge of file servers, routers and hubs; ability to create and implement network design and installation of hardware and software; ability to work with staff to implement technology plans.

MINIMUM QUALIFICATIONS: Graduation from high school or possession of a high school equivalency diploma and either:

[a] Graduation from a regionally accredited or New York State registered college or university with an associate's degree in computer science, computer technology, data processing, management information systems, information technology; and two years of experience responsible for the maintenance, configuration or installation of micro-computer hardware and software for local area networks; or

[b] Four years of experience as defined by the limits of [a] above; or

[c] An equivalent combination of experience and training as defined by the limits of [a] and [b] above.

SENIOR NETWORK TECHNICIAN

DISTINGUISHING FEATURES OF THE CLASS: The work involves responsibility 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. Supervision may be exercised over the work of one or more lower ranking employees. The incumbent does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative only)

Designs, installs and maintains building local area networks and office campus area networks;
Installs, configures and maintains network file servers, micro-computers and printers;
Installs and runs Internet protocol networks;
Administers personal computer networks involving installation, maintenance and repair;
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 in hardware or software functioning;
Leads special projects involving network management;
Researches, evaluates and documents solutions to technology needs;
Informs and trains users and technical staff in network operation;
Assists in developing direction and growth of information technology;
Evaluates and recommends acquisition of hardware and software;
Maintains Internet security.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Thorough knowledge of micro-computer and product technology; good knowledge of logical operations of computer and data communication devices; working knowledge of information technology processing methodology and techniques; ability to define and recommend computer hardware and software; ability to detect and resolve micro-computer breakdown and problems; ability to configure work stations, servers and local and wide area networks; computer literacy; good knowledge of file servers, routers and hubs; ability to create and implement network design and installation of hardware and software; ability to work with staff to implement technology plans; ability to plan and supervise work of others; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Graduation from high school or possession of a high school equivalency diploma and either:

- [a] Graduation from a regionally accredited or New York State registered college or university with an associate's degree in computer science, computer technology, data processing, management information systems, information technology; and two years of experience responsible for the maintenance, configuration or installation of micro-computer hardware and software for local area networks; or
- [b] Four years of experience as defined by the limits of [a] above; or
- [c] An equivalent combination of experience and training as defined by the limits of [a] and [b] above.

Revised: 01/08/2015