

[Go Back](#)

**NASSAU COUNTY**

**Title : NETWORK SPECIALIST II  
(LOCAL AREA NETWORK)  
(WIDE AREA NETWORK)  
(LOCAL AND WIDE AREA  
NETWORK)**

**SCHOOL DISTRICTS  
CLASS SPECIFICATION**

**Code: 030225 BUT  
Page : 1 of 3  
Competitive**

**GENERAL STATEMENT OF DUTIES**

Designs, installs, configures, and maintains complex local area networks (LANs) and/or wide area networks (WANs) and their operating systems; performs related duties as required.

**COMPLEXITY OF DUTIES**

Under general supervision, the duties are technically complex and require the use of considerable independent judgment; supervision may be exercised over subordinate employees. This position differs from Network Specialist I in that the work is more complex, and there is a higher level of responsibility, and from Network Specialist III in that supervision is not mandatory.

**TYPICAL DUTIES**

- \* 1. Configures, installs, maintains, and upgrades LANs and/or WANs, including repeater hubs, switches, and routers.
- \* 2. Installs, supports, and implements LAN and/or WAN operating systems, and DOS (Diskette Operating System), as well as system utilities.
- \* 3. Designs, develops, and configures various LANs and/or WANs.
- \* 4. Administers a complex internet/intranet system, and maintains access at all workstations.
- \* 5. Configures, maintains, and installs integrated service digital network (ISDN) routers and monitor connectivity between buildings.
- 6. Designs training and support programs for Network Managers.
- 7. Trains and instructs users in LANs and/or WANs.
- \* 8. Evaluates current telecommunications hardware/software, and identifies areas for improvement.
- \* 9. Recommends design changes to new and enhanced LANs and/or WANs.
- \* 10. Implements Transmission Control/Internet Protocols (TC/IP) to establish communication between and across LANs and WANs.
- 11. Uses Simple Network Management Protocol (SNMP) to access management data to manage internet work performance, and find and resolve network problems.
- \* 12. Creates and maintains routing tables using Open Systems Internetworking (OSI) routing protocols.
- 13. Performs site surveys to ascertain the necessary design, configurations, size, and type of network required.

- \* 14. Serves as lead on large or complex network installation.
- 15. Plans, assigns, and directs the work of subordinates, as required.

**\*ESSENTIAL FUNCTIONS**

**FULL PERFORMANCE KNOWLEDGES, SKILLS, AND ABILITIES**

**For Appointment to the Local and Wide Area Network Specialty:**

1. Extensive knowledge of the principles, practices, and procedures involved with LANs and WANs.
2. Thorough knowledge of the various software and hardware to maintain LAN and WAN operating systems, and to program and modify the systems software.
3. Thorough knowledge of LAN and WAN systems configuration.
4. Thorough knowledge of internet systems.
5. Ability to analyze and resolve LAN and WAN systems software and hardware problems.
6. Ability to install, monitor, and maintain LAN and WAN systems software and hardware products.

**For Appointment to the Wide Area Network Specialty:**

1. Extensive knowledge of the principles, practices, and procedures involved with WANs.
2. Thorough knowledge of the software and hardware required to maintain WAN operating systems, and to program and modify WAN systems hardware.
3. Thorough knowledge of WAN systems configuration.
4. Thorough knowledge of internet systems.
5. Ability to analyze and resolve systems hardware problems.
6. Ability to install, monitor, and maintain WAN systems hardware products.

**For Appointment to the Local Area Network Specialty:**

1. Extensive knowledge of the principles, practices, and procedures involved with LANs.
2. Thorough knowledge of the software required to maintain LAN operating systems, and to program and modify LAN systems software.
3. Thorough knowledge of LAN systems configuration.
4. Thorough knowledge of internet systems.
5. Ability to analyze and resolve LAN systems software problems.
6. Ability to install, monitor, and maintain LAN systems software products.

**For Appointment to All Specialties:**

1. Ability to express oneself effectively, both orally and in writing.
2. Ability to establish and maintain effective working relationships with associates and end users.

**MINIMUM QUALIFICATIONS**

**Training and Experience**

**For Appointment to the Local and Wide Area Network Specialty:**

Bachelor's degree from a regionally accredited or New York State registered college or university, including or supplemented by eighteen (18) credits in a computer field and

1. Four years of satisfactory, paid experience installing and maintaining both local and wide area networks;  
or
2. Four years of satisfactory, paid experience installing and maintaining each of the following:
  - A. local area networks
  - B. wide area networks.

**For Appointment to the Wide Area Network Specialty:**

Bachelor's degree from a regionally accredited or New York State registered college or university, including or supplemented by eighteen (18) credits in a computer field and

Four years of satisfactory, paid experience installing and maintaining wide area networks.

**For Appointment to the Local Area Network Specialty:**

Bachelor's degree from a regionally accredited or New York State registered college or university, including or supplemented by eighteen (18) credits in a computer field, and

Four years of satisfactory, paid experience installing and maintaining local area networks.

**NOTE - APPLICABLE TO ALL SPECIALTIES:**

1. Experience, as outlined for all specialties above, in excess of the four-year requirement, may be substituted for college education on a year-for-year basis.
2. A network engineer certificate validated by one of the major network software vendors may be substituted for six months of the experience, as outlined for all specialties above.

**Necessary Special Requirement For All Specialties:**

Continuing possession of an appropriate class, valid Driver's License issued by the State of New York may be required.

[Go Back](#)