

Technology: Wide Area Network (WAN)/System Security Engineer

<u>Reports to:</u>	Director for Technology
<u>Supervises:</u>	LAN Engineer/Tech personnel as directed
<u>Term of Employment:</u>	12 months
<u>Salary:</u>	Pay Grade 77
<u>FLSA Exempt/Non-Exempt:</u>	Exempt

- Qualifications:**
- **Completion of a four-year degree in computer science, or a related field with coursework in networking and five years of network experience including wide area networks, and supervisory training or experience; or an associate degree in Computer Science or related field, seven years' experience in a wide area network environment, supervisory training or experience, or any equivalent combination of training and experience**
 - **Knowledge of networking protocols, experience in routed and frame relay network environments, experience with network management utilities**
 - **Microsoft MCSSE certification required, Cisco CCNA, or equivalent required within 60 days from date of hire**
 - **Combination of training, certification, and/or experience which provides the required knowledge, skills, and abilities**
 - **Strong knowledge of wide and local area network architecture**
 - **Strong knowledge of computers, infrastructure, diagnostic tools, network and client security, and related technologies**
 - **Ability to supervise technical support staff**

Essential Job Functions:

- **Develops and monitors network security and server/client testing, logging and update systems, including Microsoft SCCM/Endpoint Protection**
- **Maintains and monitors network Internet firewall for policies and threats**
- **Designs and implements wide area networks including network servers, hubs, routers, workstations and other peripheral devices**
- **Installs and configures wide area network servers for email, Internet, and Proxy services**
- **Installs and configures all necessary telecommunication devices**
- **Operates and maintains wide area networks, tracks significant problems, monitors performance, and performs upgrades to hardware and software as required**

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- Installs or modifies existing installations of networked computer hardware, software, and other components
- Participates in long- and short-range technology planning
- Trains technical staff at the system and building level to follow proper operating procedures necessary to maintain the integrity of the network
- Maintains documentation regarding network configurations, operating procedures, and service records relating to network hardware and software
- Assists in developing training for building level faculty and staff in the proper operation of the wide and local area networks
- Attends classes, seminars, conferences and reviews professional literature to enhance knowledge of trends and developments related to wide and local area network systems
- Performs other duties and responsibilities as assigned by supervisor

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Physical and Cognitive Requirements:

The major physical and cognitive requirements listed below are applicable to this job classification within Moore County Schools.

Work in this classification is considered **medium physical work** requiring the exertion of up to 40 pounds of force occasionally, up to 20 pounds of force frequently, and up to 10 pounds of force constantly to move objects.

Must be able to:

- walk, lift, reach, stoop, sit, squat, bend, stand, grasp, balance, climb, kneel, crouch and type for extended periods of time (up to 10 hours)
- prepare, read, comprehend and analyze a variety of complex forms, reports, spreadsheets, maps, plans, records, documentation and correspondence in all languages required by the job
- speak to individuals or groups of people with poise, voice control and confidence
- respond adequately to inquiries or complaints
- write using standard convention in all languages required by the job
- apply principles of logical or scientific thinking to define problems, collect data, establish facts and draw valid conclusions
- apply common sense understanding to carry out instructions furnished in written, oral or diagrammatic form
- communicate effectively and efficiently in all languages required by the job using whatever communication device or system is required (telephone, Braille)
- use/interpret job relate terminology, mathematical formulas and functions effectively and efficiently
- deal with people beyond giving and receiving instructions maintaining effective working relationships
- perform under stress, deal with persons acting under stress and adapt when confronted with emergency situations
- be sensitive to cultural differences among individuals and groups of persons
- operate a motor vehicle
- operate/use a variety of job specific office machines and other office equipment
- manage multiple high priority initiatives in a fast paced, highly technical environment
- successfully perform the planning, directing, reporting and administrative responsibilities of this position