



Job Title: Network Engineer

Exemption Status: Exempt

Reports to: Director Network and Operations

Date Revised: November 2024

Dept. /School: Network Communications Infrastructure

Pay Grade: 209

Primary Purpose:

Successful design, implementation, and maintenance of security measures across the district network to satisfy state laws and regulations and ensure maximum systems security to all users while providing optimal performance.

Qualifications:

Education/Certification:

- High School Diploma or equivalent with a minimum of ten (10) years of experience
OR
- Bachelor's Degree in Technology or related subject area with a minimum of five (5) years of experience
- Master's Degree preferred
- Cisco Certified Network Associate – Security preferred
- Microsoft Technology Associate – Windows Server Administration Fundamentals, preferred
- CompTIA Security+ preferred

Experience:

- Minimum of ten (10) years of experience in Technology Support with network monitoring tools (Wireshark, Netflow, PRTG, Solarwinds) and with endpoint protection systems (SentinelOne, CrowdStrike) with a High School Diploma **OR**
- Minimum of five (5) years of experience in Technology Support with network monitoring tools (Wireshark, Netflow, PRTG, Solarwinds) and with endpoint protection systems (SentinelOne, CrowdStrike) with a Bachelor's Degree

Special Knowledge/Skills:

- Knowledge of Microsoft Operating Systems in large K12 or other enterprise domain environments.
- Knowledge of Active Directory domains in large K12 environments.
- Knowledge of remote desktop technologies and protocols.
- Knowledge of web services, protocols, and web filtering systems (ContentKeeper)
- Knowledge of virtual environments (VMWare, Microsoft Hyper-V VDI, etc.)

Major Responsibilities and Duties:

1. Participate in an on-call rotation to provide 24-hour support.
2. Responsible for assigned network security systems implemented and supported by the department, which provide security for the entire district, including various levels of responsibility and coordination for network, core, wireless, internet, and extranet access, firewall, web content filter, and server systems.
3. Work with the Director and Lead Engineers on the district cybersecurity plan.
4. Responsible for documenting security measures across network servers and infrastructure.
5. Work with Professional Development on required district-wide cybersecurity training



programs.

6. Work collaboratively with departments that provide client support to determine best practices and direction for securing client device access.
7. Monitor and respond to service ticket requests for network security-related issues and provide related information as needed.
8. Assist in maintaining documentation and inventory information for all security equipment.
9. Perform scheduled maintenance and upgrades on network devices.
10. Protect servers and network environment from viruses/malware/ransomware.
11. Work with other network engineers to support network services/resources/components.
12. Test, evaluate, and integrate new network environments and technologies.
13. Provide advanced Active Directory troubleshooting and health checks
14. Communicate with vendor support personnel to resolve hardware and software issues promptly.
15. Provide training for network staff.
16. Provide after-hour/weekend support for special projects or critical components.

Other:

17. Perform all other duties as assigned.

Supervisory Responsibilities:

None

Mental Demands/Physical Demands/Environmental Factors

Tools/Equipment Used: Personal computers and peripherals

Posture: Frequent standing; some kneeling, squatting, bending, and stooping

Motion: Walking; reaching overhead, front, side, and back

Lifting: Moderate strength needed in arms, shoulders, back, and legs; lifting or carrying PCs up to 25 pounds for short distances

Environment: Work inside office, classroom, and computer lab environments

Mental Demands: Provide technical expertise and problem-solving skills in support of CTAs, CTSs, and district staff; exhibit self-control and patience when dealing with staff and CTAs/CTSs; work with frequent interruptions

This document describes the general purpose and responsibilities assigned to this job. It is not an exhaustive list of all responsibilities and duties that may be assigned or skills that may be required.

Reviewed by _____ Date _____

Received by _____ Date _____