



## Job Description

**Job Title: Senior Security Network Engineer**

**JTC: TCQ**

**Salary Range: N09**

**FLSA: Exempt**

Since 1965, we have served more than 3 million students. Dallas County Community College District (DCCCD) is one of the largest community college systems in the state of Texas, which includes seven independently accredited colleges located around the Dallas/Fort Worth area.

### POSITION SUMMARY

Responsible for protecting system boundaries, keeping computer systems and network devices hardened against attacks and securing highly sensitive data.

### REQUIRED KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of security network devices (switches, antivirus, cryptography, etc.) and other security networking hardware/software tools. Strong understanding of TCP/IP, subnetting, routing, access control lists, LAN, WAN, firewalls, VPN, NAT and network traffic analysis. Ability to keep current on best practices and new technological developments in the market.

Demonstrated understanding of information security concepts, standards, practices, including but not limited to firewalls, intrusion prevention and detection, TCP/IP and related protocols, device monitoring and log management and event monitoring/reporting.

Must have strong interpersonal skills and the ability to build professional relationships in a diverse and multicultural environment. Strong organizational skill and be able to attend to and prioritize projects.

Demonstrable analytical and technical aptitude with focus on identify and alleviating the root cause of the issue; solves the whole problem. Proven ability to thrive and respond to frequent demands of multiple constituents, both internal and external to the organization, in a customer centric manner and high demand environment.

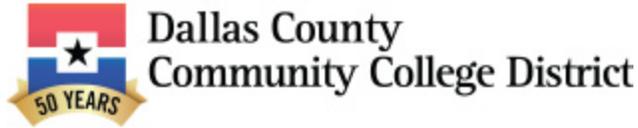
Able to communicate, both in writing and verbally, in a logical, clear effective and confident manner at all levels. Have personal presence, impact and influence. Ability to provide exemplary customer service.

### PHYSICAL REQUIREMENTS

Normal physical job functions performed within a standard office environment. Reasonable accommodations may be made to individuals with physical challenges to perform the essential duties and responsibilities. Occasionally may be required to lift and carry materials weighing up to 30 pounds.

### MINIMUM KNOWLEDGE AND EXPERIENCE

Bachelor's degree with four (4) years of experience in related field. Current and valid Texas driver's license required for off-site travel. On-call, work hours may extend beyond the regular, eight hours,



Monday-Friday, workday, including weekends and holidays to provide immediate support due to system failures on a 24/7 basis. Official transcripts will be required. \*\*\* Will be subject to a criminal background check. Some positions may be subject to a fingerprint check. \*\*\*

## ESSENTIAL DUTIES AND RESPONSIBILITIES

Design, configure, implement and maintain all security platforms and their associated software, such as routers, switches, firewalls, intrusion detection/intrusion prevention, anti-virus, cryptography systems, SIEM, and Anti-SPAM. Plan and deploy District's LANs, WANs, and wireless networks, including servers, routers, hubs, switches, UPSs, and other hardware. Keeps up-to-date on best practices and technological advances through professional development activities.

Design, review and ongoing assessment of firewall, intrusion detection/intrusion prevention, SIEM, VPN, SSL, application control, Antivirus, and other network component policies. Formulate systems and methodologies as well as respond to security related events and assist in remediation efforts. Oversee new and existing equipment, hardware, and software upgrades.

Collaborate with department heads to assess near- and long-term network capacity needs. Coordinate and monitor log analysis for managed services offerings to ensure policies and security requirements are met. Prepare and present professional presentations to both an internal and external audience. Provide periodic vulnerability testing, and lead remediation projects.

Ensure network security best practices are implemented through auditing: router, switch, firewall configurations, change control, and monitoring. Troubleshooting and diagnosing network problems and determining the most appropriate means of resolving problems and issues to improve network performance.

Manage all client situations in a professional and courteous business manner with an emphasis on customer satisfaction, while keeping the customer abreast of expectations, problem status and completion in a timely manner. Utilizes exceptional interpersonal, presentation, oral and written communication skills when interacting with diverse stakeholders and constituents who are internal/external to the DCCCD community network.

Completes required DCCCD Professional Development training hours per academic year. Performs other duties as assigned.

*The intent of this job description is to provide a representative summary of the major duties and responsibilities performed by incumbents of this job and shall not be construed as a declaration of the total of the specific duties and responsibilities of any particular position. Incumbents may be directed to perform job-related tasks other than those specifically presented in this description. Position requires regular and predictable attendance.*