SENIOR SYSTEMS AND NETWORK ENGINEER

Track 24: 87,333.22 - 106,142.29

DEFINITION:

Under general direction of Director of Information Technology, serve as a project leader on systems, network, telecommunications, and security installations and upgrades. Apply advanced skill and knowledge of complex network, telecommunications protocols, systems

Network Duties

Install, support, and maintain networks for the District as assigned; monitor equipment functions and usability, review network performance, maintain network systems to maximize availability and accessibility.

Design, order, inventory, install, program, test and repair equipment hardware and systems associated with network and telecommunications services, including but not limited to routers, bridges, switches, firewalls, controllers, PBX and VoIP systems.

Regularly evaluate new and emerging technology and apply to innovative network solutions in the context of institutional needs.

Resolve the most complex network and telecommunications problems; maintain, troubleshoot and diagnose network and telecommunications configurations.

Develop network configurations and run diagnostics to validate performance standards.

Design, install and maintain both Internet and WAN services.

Install, configure and maintain network monitoring and security hardware and software.

Install, configure and maintain software for routers, bridges, switches and other network devices.

Design network configurations that ensure network interoperability between multiple vendors' equipment. Support standard networking protocols and practices.

Research and perform analysis to identify security systems expansions to meet anticipated future requirements.

Assist in the development of disaster prevention and recovery plans.

Assist with the development of bid specifications for acquisitions of network and data security and network and telecommunications equipment and services.

Assist in the development of policies and procedures to ensure ongoing continuity. Develop and document security standards.

Prepare written documentation for network security design and processes; maintain a database of services provided.

Provide security awareness trainings and documentation for end-users.

to emergency system and equipment failure. This work is performed indoors at campus computer center, in classrooms and various satellite campus locations.