

# CAJON VALLEY UNION SCHOOL DISTRICT

## CLASS TITLE: NETWORK ANALYST

### BASIC FUNCTION:

Under the direction of the Director of Technology Services and Chief Technology Officer, design and develop solutions to complex computer applications problems, system administration issues or network concerns; perform systems management and integration functions; assure reliable communication of various computing equipment.

### REPRESENTATIVE DUTIES:

#### ESSENTIAL DUTIES:

Design and develop solutions to complex computer applications problems, system administration issues or network concerns; create technical specifications for new IT equipment and services; evaluate and recommend new IT equipment and solutions; plan for infrastructure growth and design.

Monitor the health of the District computer network system; maintain routers and switches comprising the District WAN/LAN; install new equipment and servers, switches, routers, WAPs and other equipment; configure LAN equipment; monitor network bandwidth utilization and connectivity for mobile devices.

Troubleshoot and repair server hardware and software, infrastructure cabling; report on the operational status of needed; track system performance and capability.

Manage the district firewall; manage and secure devices; install security updates; conduct various backup activities.

Provide technical support to students and employees; train staff on LAN/WAN systems and related equipment; train other departments on specific software application and hardware.

Perform related duties as assigned.

**KNOWLEDGE AND ABILITIES:**

**KNOWLEDGE OF:**

Operating systems and associated systems software including their implementation, installation, configuration, operation and administration.

Specific applications systems related business applications and/or instructional learning applications.

Relational data base systems.

Local and widearea network technologies.

Data communications and networking theory.

Network security and firewalls.

Installation, configuration and administration of bridges, routers, switches, and firewalls.

Internet services such as DNS, FTP, SMTP and WWW.

Hardware and software interaction.

Virtualization systems such utilized by the District.

Directory systems including Microsoft Active Directory and eDirectory.

Messaging systems and services.

Anti-virus software.

Internet content filtering systems.

Email security sy

## Network