Position Title: Network Engineer  
Supervisor: Network Manager  
Classification: Administrative Management (Exempt)

This position reports to the Network Manager, and complements the current services-focused Network Security Administrator and desktop-focused Network Systems Technician. General responsibilities include the daily upkeep of the College's core and edge networks, basic network services, and related systems, and other work/projects as assigned/required. This position will share responsibility for off-hours/on-call response in the event of service disruption.

Responsibilities:
- Configure, test, and maintain LAN/WAN/WIFI equipments and related services.
- Identify, diagnose, and resolve network problems.
- Proactively identify and remediate security threats through use of assessment tools, and timely application of appropriate patches, configuration changes, etc.
- Work closely with other technology staff to anticipate and resolve issues at integration points between the network and the College's data systems.
- Create and maintain comprehensive documentation for all implemented networks.
- Provide back line technical support for network issues raised by our Support Desk.
- Assist in Windows and Linux systems, business applications, anti-virus protection, email, and authentication administration.
- Daily maintenance and problem resolution, operating system patches and software upgrades, and routine hardware configuration.
- Participate in 24x7 on-call rotation.

Qualifications:
Hands-on experience implementing, maintaining, and administrating core and edge network devices and technologies and related network services within a multi OS (Windows, Novell, Linux), multi vendor (Aruba, Cisco, Nortel, Enterasys) environment:
- Cisco, Enterasys, Nortel network switches.
- Cisco Routers, Firewalls, IDSM.
- Aruba Network enterprise wireless networks.
- Bradford Networks NAC solutions.
- Procura Layer 7 traffic management systems.
- HP, Dell, IBM server platforms.
- Fiber plant, and other physical infrastructure.
- Novell eDirectory, GroupWise, ZCM.
- Symantec Back-Up Exec software, tape drive technologies.
- McAfee Anti-Virus managed via ePO.
- Desktop systems including Windows XP, Windows 7, Mac OS.

Mandatory qualifications/demonstrable competencies include:
- A thorough understanding of the OSI network model, Ethernet, and TCP/IP networking.
- A practical level of experience implementing and administrating common TCP/IP-based services, including DNS, DHCP, HTTP, FTP, SSH, SMTP, etc.
- Working knowledge of common network monitoring and security utilities.
- Troubleshooting focused on determining hardware vs. software vs. firmware vs. operating system, as well as network vs. application/systems, and patterned vs. non-repeatable problems.
• 3+ years of network administration and/or systems management
• Bachelor’s degree (preferably engineering related)
• Experience managing Cisco core, edge, and service modules
• Effective use of on-line, community based, and vendor support resources
• Effective management of vendor support incidents and engineering resources
• Ability to prioritize and multi-task, work independently, and as part of a team
• Dedicated to continuous learning of new technologies to maintain relevant skills
• Excellent communication, interpersonal skills, and customer focus
• Ability to lift, carry, and move all components of PC workstations, servers, network equipments, peripherals, and other ancillary equipment.

Highly desired, but not mandatory qualifications:
• CCNA or CCNP or other industry certification desired, hands on experience preferred
• Familiarity or experience with scripting, open source technologies, linux
• Experience with SAN, iSCSI, and VMWare technologies
• Ability to travel 2 weeks / year to attend relevant professional conferences, workshops, training.