Network Engineer
Foothill-De Anza Community College District

Job Title	Network Engineer
Department	Networks & Telecommunications
Institution	Foothill-De Anza Community College District
	Los Altos Hills, California
Date Posted	Sep. 27, 2023
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Information Technology
Apply Online Here	https://apptrkr.com/4635530
Apply By Email	
Job Description	

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Network Engineer

HR EMPLOYMENT/CAREERS
Closing Date: 8/21/23*

*For full-consideration, all application packets must be received by 11:59 pm on the closing date.

Salary Grade: C1-72

Starting Salary: $9,816.16 (per month) plus excellent benefits

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Full Salary Range: $9,816.16 - $13,157.28 (per month)

The Foothill-De Anza Community College District is currently accepting applications for the classified position above.

The Foothill - De Anza Community College District does not have a remote work policy. All employees are expected to be available to work in person and on-site per the requirement of the department.

ABOUT THE DISTRICT

Foothill - De Anza Community College District, composed of two colleges and an education center, is one of the top performing districts in both California and the United States, and one of the largest, ranking seventh in size among the state's 72 districts, serving more than 58,500 students per year and with an operating budget of $180M unrestricted general fund. Consistent with its mission, the District has a strong commitment to equity and inclusion and incorporates those values in its policies, procedures, and operations, and in its leadership and service to students and the community. Publicly supported and locally oriented, the District fills an essential role in workforce development, continuing education, and skills preparation to meet the changing demands of the highly diverse surrounding population and business communities. The District's students and more than 2,000 faculty and staff enjoy an unparalleled quality of life in an ideal climate, with physically pristine and fiscally sound campuses that have earned their reputation for academic excellence.

FOOTHILL - DE ANZA COMMUNITY COLLEGE DISTRICT MISSION STATEMENT:

The mission of the Foothill-De Anza Community College District is student success. We are driven by an equity agenda and guided by core values of excellence, inclusion, and sustainability. Every member of our district contributes to a dynamic learning environment that fosters student engagement, equal opportunity, and innovation in meeting the various educational and career goals of our diverse students. We are committed to providing an accessible, quality undergraduate education dedicated to developing a broadly educated and socially responsible community that supports an equitable and just future for California.

DEFINITION:

Under the direction of an assigned supervisor, serve as a project leader. Applies advanced skill and knowledge of complex network protocols and knowledge of multiple operating systems in gathering, analyzing, synthesizing, planning and designing unique and original solutions for integrating networks and/or updating existing and new systems.

Network Engineer
Foothill-De Anza Community College District

JOB SUMMARY:

The position will report directly to the Supervisor of Networks & Telecommunications under the director of Networks and Client services. The Network Engineer position is responsible for managing and maintaining the wired and wireless networks and telecommunications used by students, faculty, and staff. Additionally, this position is responsible for researching, evaluating, and implementing new technologies. The individual will assume a lead role for installation and support of network & telecommunications systems and design of network configurations. The individual will assist in the deployment and monitoring of network security systems. Coordinates with and manages vendor services as it applies to network & telecommunications. Collaborates with ETS teams and other departments to consult, implement, and support both short and long term solutions. About us: The District is made up of two colleges, Foothill and De Anza which cover three physical sites, Foothill College in Los Altos Hills, De Anza College in Cupertino, and the Foothill College Sunnyvale site.

DISTINGUISHING CHARACTERISTICS:

The Network Engineer applies knowledge of complex network protocols and telecommunications; analyzes, plans, develops and designs unique and original solutions for integrating networks and telecommunications systems. The Network Engineer assists in the design and installation of network and telecommunications devices and services; recommends solutions and specifications for acquisitions and evaluates and tests security solutions. The Network Engineer oversees installation projects and serves as project leader.

EXAMPLE OF DUTIES AND RESPONSIBILITIES:

Depending upon assignment, duties may include, but are not limited to, the following:

1. Regularly evaluate new and emerging technology and apply to innovative network solutions in the context of institutional needs.
2. Resolve the most complex network and telecommunications problems; maintain, troubleshoot and diagnose network and telecommunications configurations.
3. Analyze complex network performance reports and recommend appropriate action to enhance service and reliability to the supervisor.
4. Act as technical liaison for network and telecommunications vendors.
5. Install, support, and maintain networks for the District as assigned; monitor equipment functions and usability, review network performance, maintain network systems
6. to maximize availability and accessibility.
7. Research and perform detailed analysis to identify network modifications needed to meet

anticipated future requirements.
8. Install, configure and maintain network monitoring and security software.
9. Install, configure and maintain software for routers, bridges, switches and other network devices.
10. Design network configurations that ensure network interoperability between multiple vendors' equipment. Support standard networking protocols and practices.
11. Develop procedures that ensure easy support and maintenance of network infrastructure.
12. Coordinate with outside service organizations regarding network and telecommunications maintenance, operational issues, updates and product capabilities.
13. Research and recommend new network and telecommunication architecture for maximum technical effectiveness.
14. Design, install and maintain both Internet and WAN services.
15. Develop network configurations and run diagnostics to validate performance standards.
16. Prepare written documentation for network design and processes; maintain a database of services provided.
17. Coordinate circuit testing with carriers; analyze and resolve trouble reports.
18. Provide regular reports on the status and performance of PBX, VOIP, voice mail, E911, call routing and other related telecommunications systems. 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.
19. Assume a lead role in the installation of network and telecommunications systems.
20. Assist with the development of bid specifications for acquisitions of network and telecommunications equipment and services.
21. Assist in the deployment and monitoring of network and security devices.
22. Perform related duties as assigned.

EMPLOYMENT STANDARDS:

<u>Knowledge of:</u>

1. Advanced knowledge of building communication distribution systems, including conduits, cable trays, and raceways; electrical grounding principles and low voltage communications systems.
2. Telecommunications infrastructure and network installation practices, configuration and installation of network and telecommunication devices.
3. Advanced knowledge and use of complex network and telecommunication principles, hardware, protocols and configurations, TCP/IP, LAN, WAN, Wireless, firewall, and operating systems as they relate to switched and non-switched telecommunications networks.

4. Advanced knowledge of computer and networking principles, switch and router hardware, switch operating systems and network monitoring applications.
5. Working knowledge of client operating systems including but not limited to Microsoft Windows and Macintosh OS.
6. Command of the technical aspects of a networking field of specialty and working knowledge of related specialties.
7. Record-keeping techniques.
8. Oral and written communication skills.
9. Interpersonal skills using tact, patience and courtesy.

Ability to:

1. Demonstrate understanding of, sensitivity to, and respect for the diverse academic, socio-economic, ethnic, religious, and cultural backgrounds, disability, and sexual orientation of community college students, faculty and staff.
2. Apply independent technical judgment to complex technical situations.
3. Coordinate schedules and resources with systems and network programmers, network security engineer, technical services staff, and users.
4. Apply extensive application of knowledge in integrating network protocols to complex solutions and understanding relationships between applications.
5. Operate computers and peripheral equipment properly and efficiently.
6. Diagnose and understand reasons for system failures.
7. Maintain current knowledge of technological advances in the field.
8. Communicate effectively both orally and in writing.
9. Maintain records and prepare reports.
10. Prioritize and schedule work.
11. Analyze situations accurately and adopt an effective course of action.
12. Work independently with little direction and provide work directions to others.
13. Establish and maintain cooperative and effective working relationships with others. Effectively use interpersonal skills with tact, patience, and courtesy.
14. Place and secure network and telecommunications devices into racks and cabinets.

Minimum Qualifications

1. Understanding of, sensitivity to, and respect for the diverse academic, socio-economic, ethnic, religious, and cultural backgrounds, disability, and sexual orientation of community college

students, faculty and staff.
2. Any combination equivalent to a bachelor's degree in computer science or a related field **AND** five (5) years of experience in computer programming, computer systems and network development responsibilities.

License or Certification

Possession of a valid class C California driver's license.

WORKING CONDITIONS:

<u>Environment:</u>

1. Office environment.
2. May include travel to conduct work.
3. Accessing communications closets and data centers.
4. Indoor and outdoor communications pathways.

<u>Physical Abilities:</u>

1. Hearing and speaking to exchange information in person and/or on the telephone.
2. Dexterity of hands and fingers to operate a computer keyboard and test equipment.
3. Sight to view computer monitor and read various materials.
4. Regularly stand, walk, and sit for extended periods of time.
5. Ability to walk, climb ladders, stoop, kneel, crouch, reach, push, pull, grasp, and perform repetitive motions.
6. Lift moderate to heavy objects up to 60 lbs.

Hazards:

Extended viewing of computer monitor.

APPLICATION PACKET:

1. A District on-line application on http://hr.fhda.edu/careers/. *In the application, you will provide information, which demonstrates your understanding of, sensitivity to, and respect for the diverse

academic, socio-economic, ethnic, religious, and cultural backgrounds, disability, and sexual orientation of community college students, faculty and staff. Additionally, you will be asked to explain how your life experiences, studies or work have influenced your commitment to diversity, equity and inclusion.

2. A cover letter addressing your qualifications for the position.
3. A current resume of all work experience, formal education and training.

If any required application materials are omitted, the committee will not review your application. Items not required (including reference letters) will not be accepted. For full-consideration, all application packets must be received by 11:59 pm on the closing date.

Please allow yourself ample time to complete your application and resolve any technical difficulties that may arise with your submission. We do not guarantee a response to application questions within 48 hours of the closing date.

CONDITIONS OF EMPLOYMENT:

Position: Full-Time, Permanent, 12-months per year

Starting date: As soon as possible upon completion of the search process.

Excellent benefits package which includes medical coverage for employee and eligible dependents, dental, vision care, employee assistance program, long term disability, retirement benefits and basic life insurance. For information on our benefits package that includes medical for employees and dependents, visit our web site: http://hr.fhda.edu/benefits/index.html. In addition, the District is a participating member of the California Public Employees' Retirement System (CalPERS) and the successful applicant would be a member of the Association of Classified Employees (ACE) Union. The current union agreement can be found online at: http://hr.fhda.edu/_downloads/2018-2021%20ACE%20Agreement.pdf.

Persons with disabilities who require reasonable accommodation to complete the employment process must notify Employment Services no later than the closing date of the announcement. The successful applicant will be required to provide proof of authorization to work in the U.S. All interviewing costs incurred by applicant are the responsibility of the applicant.

For more information about our application process contact:

Network Engineer
Foothill-De Anza Community College District

Employment Services

Foothill-De Anza Community College District

12345 El Monte Road

Los Altos Hills, California 94022

Email: employment@fhda.edu

http://hr.fhda.edu/

To apply, visit https://fhda.csod.com/ux/ats/careersite/4/home/requisition/1094?c=fhda

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Networks & Telecommunications
Foothill-De Anza Community College District

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