

The University of Texas at San Antonio

Job Description

Job Title: Senior Enterprise Network Engineer
Code: 17506
Salary Grade: 64
FLSA Status: Exempt
Department/Division: Office of Information Technology – Infrastructure Services
Reports To: Director of Communication, Infrastructure Services

Summary

Function: Under minimal supervision, provides advanced solution architecture and advanced administration support for enterprise network hardware, software, shared components and networking protocols.

• Scope:

Duties

- Typical:
1. Provide for the training, direction and career development of assigned personnel.
 2. Provide effective communication and sustain positive customer relationship with all offices and departments at UTSA.
 3. Exercises independent judgment based on extensive technical or specialized knowledge and experience.
 4. Delegates assignments and provides leadership and on the job supervision to assigned full-time and part-time personnel.
 5. Develops and promotes standard operating procedures within a data center environment.
 6. Architects, manages, tests, and provides support to multiple enterprise-wide network infrastructure environments.
 7. Designs, recommends, installs and supports enterprise-wide network components, technologies and related infrastructure, e.g., Wireless, WAN, LAN, VPN, IP addressing.
 8. Performs system interaction design and develops policies, procedures and standards related to the development and maintenance of networks.
 9. Architects and implements security for network protection and client access.
 10. Analyzes network requirements from functional specifications.
 11. Develops, promotes, and implements hardware and software documentation

standards in enterprise data center environment.

12. Consults on network design; coordinates required changes to campus network infrastructure.
13. Schedules and performs installation and upgrades and maintains them in accordance with established Information Technology policies and procedures.
14. Monitors and tunes the network to achieve optimum performance levels.
15. Recognizes and troubleshoots problems with network hardware and software.
16. Ensures configuration recoverability by implementing a schedule of system Backups.
17. Conducts routine hardware and software audits of network devices to ensure compliance with established standards, policies, and configuration guidelines.
18. Develops and maintains a comprehensive network hardware and software configuration database or library of all supporting documentation.
19. Assists with special projects, as needed.
20. Knowledge of all Microsoft Office software and able to learn and use institutional software systems.
21. Complies with all State and University policies

- Periodic:

1. Some travel may be required.
2. Other duties as assigned.

Education

Required	Preferred
Bachelor's degree from four year college or university within area of assigned responsibility. Technical training and/or experience may be substituted for a degree on a year for year basis.	N/A

Other Requirements

Required	Preferred
While performing the duties of this job, the employee is regularly required to sit and talk or hear. The employee is occasionally required to stand or walk. The employee must occasionally lift and move up to 60 pounds.	N/A

Experience

Required	Preferred
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<p>Five years of experience in a networking and communications environment.</p> <p>In-depth knowledge of common network hardware and cabling including Ethernet, Routers, Switches, Wireless access points and other associated hardware.</p> <p>In-depth knowledge of IP Networking, Routing, Switching and Network Operating Systems (e.g., IOS, JunOS, including configuration, processes, files and I/O systems; networking services and common routing protocols (OSPF, RIP, Static).</p> <p>Ability to design, promote, and implement change control and configuration management, high availability systems, structured design and support methodologies.</p> <p>Ability to perform complex performance analysis of network systems and other related components</p>	
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Equipment

Required	Possible
Personal computer and standard office equipment.	N/A

Working Conditions

Usual	Special
While performing the duties of this job, the employee is occasionally exposed to extreme cold and risk of electrical shock. The noise level in the work environment is usually moderate.	Occasional travel may be required.

Supervision

Received	Given
General supervision received from Director of Communication, Infrastructure Services.	<p>Direct supervision and guidance to technical staff.</p> <p>Ensures staff is adhering to university and departmental policies, procedures and best practices.</p>

	Supervises, counsels and evaluates assigned staff.
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Accuracy

Proficiency in all phases of the duties performed.

Security Sensitive

Specific job requirements or physical location of some positions allocated to this classification may render the position security sensitive, and thereby subject to the provisions of section 51.215 Texas Education Code.

Internal Control

Within the scope of position duties, responsible for seeing that operations are effective and efficient, assets are safeguarded, reliable financial data is maintained, and applicable laws, regulations, policies, and procedures are complied with.