



Senior Network Engineer Security (ITS) Job Description

JOB INFORMATION

Job Code:	167574
Job Title:	Senior Network Engineer Security (ITS)
FLSA Status:	Exempt
Supervisory:	
Job Family:	Network Administration
Job Family Group:	Information Technology
Management Level:	7 Individual Contributor

JOB SUMMARY

Builds network security infrastructures, managing the configuration and maintenance of network equipment and monitoring tools, and the coordination of responses to network-related incidents. Leads team collaborations with security operations, governance, system administrators and others. Designs and deploys required solutions to harden university platforms. Demonstrates ITS values in action.

JOB QUALIFICATIONS:

Education

Req	Pref	Degree	Field of Study	
X		Bachelor's degree		
	X	Bachelor's degree		In
	X		Computer Science	Or
	X		Computer Information Systems	Or
	X		in related field(s)	

Additional Education

Check here if experience may substitute for some of the above education.

Combined experience/education as substitute for minimum education

Work Experience

Req	Pref	Work Experience	Experience Level	
X		5 years		
	X	8 years		

Additional Work Experience

Check here if education may substitute for some of the above work experience.

Combined experience/education as substitute for minimum work experience

Knowledge, Skills and Abilities

Req	Pref	Functional Skills
X		Extensive experience designing and working with firewall and intrusion prevention systems.
X		Extensive experience working with network access control platforms.
X		Experience designing and implementing security measures within public cloud environments (e.g., AWS, Azure).
X		Extensive experience troubleshooting and deploying solutions involving certificates and public key infrastructures (IEEE 802.1X or SSL Decryption and offloading) and designing and deploying web proxy and content filtering solutions for data loss prevention.
X		Extensive experience performing packet and flow analysis with various toolsets including in-line taps, IPS/firewall appliances, network routers, and hosts.
X		Experience leading design discussions developing network security solutions.
X		Ability to generate reports, create presentations, and present to appropriate stakeholders, including leadership.
X		Excellent management, leadership, and written and oral communication skills.
X		Ability to effectively communicate, negotiate, and collaborate with individuals and teams across an organization.
X		Experience working in project-based environments, able to report on project status, evaluate risks, and escalate issues.
	X	Extensive leadership experience in IT, network engineering, and/or network security.
	X	Experience designing and working with firewalls, intrusion prevention systems and infrastructure monitoring tools, specifically SolarWinds and Fortinet.
	X	Experience working with the network access control platform HPE ClearPass.

Certifications

Req	Pref	Select Certifications	Enter Additional Certifications
X		Cisco Certified Network Professional (CCNP)	Security
X		Cisco Certified Internetwork Expert (CCIE)	Security
X			OSCP, CISSP, CEH, and/or equivalent certifications.

Other Job Factors

- May require work, and travel, on weekends, evenings, and/or holidays, based on business necessity.

JOB ACCOUNTABILITIES

	% Time	Essential	Marginal	N/A
Builds network security infrastructures, managing the configuration and maintenance of network equipment and monitoring tools, and the coordination of responses to network-related incidents. Manages the development and implementation of solutions to protect network infrastructure from internal/external threats. Identifies and implements technologies and processes to improve the overall security of systems. Aligns activities to approved security policies, and ensures compliance with statutory and regulatory requirements regarding information access, security, and privacy.				
Leads network security collaborations with campus departments, delivering highly reliable and secure network services, and determining suitability and capability of devices connected to campus networks. Advises peers as a trusted partner, providing subject matter expertise and timely written and oral communications to stakeholders, technical staff, and management as required. Communicates and reports network security incidents and issues to university and ITS leadership.				
Directs the implementation of firewall solutions to properly secure campus data, evaluating and recommending projects for operational support (e.g., configuration changes). Advocates for solutions to existing threats and security issues, advising on risk assumptions and providing alternatives. Leverages the latest industry knowledge to identify opportunities for innovation and continuous improvement.				
Safeguards university networks and systems from cyberattacks, intrusions, infiltrations, and natural disasters by ensuring their ability to recover from or withstand major incidents. Drives network security system maintenance, identifying required system patches and other periodic tasks as needed. Reviews				

JOB ACCOUNTABILITIES

	<i>% Time</i>	<i>Essential</i>	<i>Marginal</i>	<i>N/A</i>
and monitors security appliances, identifies opportunities and gaps, and enacts changes based on operational requirements.				
Collaborates with team members and management, implementing effective network security solutions to support the network engineering team's vision. Maintains currency with new and emerging technology, standards, and best practices. Supports process improvement efforts within the team and across the ITS organization.				

Other Requirements

<i>Essential:</i>	<i>Emergency Response/Recovery</i>	<i>Essential:</i>	<i>Mandated Reporter</i>
	In the event of an emergency, the employee holding this position is required to "report to duty" in accordance with the university's Emergency Operations Plan and/or the employee's department's emergency response and/or recovery plans. Familiarity with those plans and regular training to implement those plans is required. During or immediately following an emergency, the employee will be notified to assist in the emergency response efforts, and mobilize other staff members if needed.		A mandated reporter who in his or her professional capacity has knowledge of, or reasonably suspects a person who is under the age of 18 years, elderly, or a dependent adult has been the victim of abuse or neglect must report the suspected incident. The reporter must contact a designated agency immediately or as soon as practically possible by telephone or in writing within 36 hours. By virtue of the associated job duties, this position qualifies as a mandated reporter as required by state law and USC's policy at: https://policy.usc.edu/mandated-reporters/
<i>Campus Security Authority (CSA)</i>			<i>Essential:</i>
By virtue of the associated job duties, this position qualifies as a Campus Security Authority as required by law and USC's policy at: https://dps.usc.edu/alerts/clery/			No

ACKNOWLEDGMENTS

The above statements reflect the essential and non-essential functions as necessary to describe the principle contents of the job. They are not intended to be a complete statement of all work requirements or duties that may be required of the position. I understand that I may be asked to perform other duties as assigned. USC reserves the right to add or change duties at any time.

The University of Southern California is an Equal Opportunity Employer. USC prohibits discrimination on any basis protected under federal, state, or local law, regulation, or ordinance or university policies. All employment decisions are based on individual qualifications and business need.

I acknowledge receipt of this job description and its associated physical requirements. I have read and understand the job description and job requirements and agree to abide by their contents. I realize that duties may be requested of me that are not specifically stated herein. I understand that I will be expected to adjust to potential fluctuations in work volume. I understand that, if I have any questions about the essential functions or expectations of my position, my supervisor and/or HR partner are available to discuss them with me.

Print Employee Name

Signature

Date

Print Manager Name

Signature

Date

This job description describes the general nature and level of work required by the position. It is not intended to be an all-inclusive list of qualifications, skills, duties, responsibilities or working conditions of the job. The job description is subject to change with or without notice, and Management reserves the right to add, modify or remove any qualification or duty. Nothing in this job description changes the existing at-will employment relationship between the university and the employee occupying the position.