Assoc Network Engineer-Central
J o b   D e s c r i p t i o n

JOB INFORMATION

Job Title:	Assoc Network Engineer-Central
Auburn Title:	Assoc Network Engineer - Central
Job Code:	MA42
FLSA Classification:	Exempt
Salary Grade:	IT06 $49,100 - $83,500
Organizational use restricted to the following divisions:	*155 - Office of Info Technology*

JOB FAMILY AND FUNCTION

Job Family:	Information Technology
Job Function:	Network Operations & Maintenance

Family Description

This job family manages or performs work associated with analysis, design, implementation, operation, deployment, and support of the organization's information technology resources (including computer hardware, operating systems, communications, software applications, data processing and security), telecommunication systems, and software/database products by internal staff, outsourcing staff, or consultants. Activities include developing information technology strategies, polices and plans; maintenance and use of information technology resources; training and supporting technology users; telecommunications network planning, operations and site acquisition; programming software/database products for sale to external customers; developing PC, online, and mobile games; and internet product management & operations.

Function Description

Responsible for the operation and maintenance of telecom infrastructure and/or network components to drive network efficiency and availability. Maintains network quality standards to achieve optimal levels of operation and KPI targets. Tracks and monitors network traffic and performance to ensure minimal interruption to network transmission and/or network switches. Corrects network problems effectively and in a timely manner. Drives initiatives, industrialization, and efficiencies to network facilities for improvements (i.e., enhancements, updates, upgrades, and new systems). Establishes tools and procedures to monitor network performance.

JOB SUMMARY

Under close supervision, provides functional and empirical analysis related to the planning, design, installation, and implementation of the University network infrastructure supporting University applications, systems, and Internet connectivity. Responsible for basic configurations of edge systems that are prescribed ahead of time and leads common projects. Monitors network performance and resolves basic and common problems. Mitigates potential attacks through network or other connections to ensure the security of University network and connected systems. Works with end users and departments to resolve network capacity, hardware, software, and security issues such as jack/port level issues and edge network switch installations. (Employee must work in central IT unit. Exceptions require CIO prior approval.)

KEY RESPONSIBILITIES

	% TIME
• Researches, analyzes, designs, configures, tests, installs, and supports the University's network routing, switching, monitoring, and management hardware and software. Supports and maintains LAN, WAN, and/or metro networks.	25%
• Performs network modeling, analysis, and capacity planning. Assists with the design and implementation of systems to scale and to provide fault tolerance. Provides network communications site planning.	20%

• Coordinates and implements prescribed network security measures in accordance with best practices and University policy. Provides and works on edge network hardware and software to secure mission critical systems and to provide secure access. May assist Network Engineers and Senior Network Engineers on distribution hardware and software.	15%
• Monitors network and performance to ensure network availability to all system users and performs necessary maintenance to support network availability. Works with end users to resolve network hardware and software issues.	15%
• Researches network technologies, hardware, and software to support secure, high-speed delivery of voice, data, and video traffic across all areas of the University for wired and wireless devices.	15%
• Performs other related duties as assigned by the supervisor.	10%

The above key responsibilities are representative of major duties of positions in this job classification. Specific duties and responsibilities may vary based upon departmental needs. Other duties may be assigned similar to the above consistent with the knowledge, skills and abilities required for the job. Not all of the duties may be assigned to a position and the percent of time spent on each duty varies based on department needs.

MINIMUM QUALIFICATIONS

To perform this job successfully, an individual must be able to perform the minimum requirements listed below. The requirements listed below are representative of the skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the key responsibilities.

Minimum Education and Experience

Education Level	Field of Study		Years of Experience	Area of Experience	
Bachelor's Degree	No specific discipline. Degree in IT or related field preferred.			Relevant IT experience in the analysis and administration of network infrastructure, preferably in a university setting.	Or
Associate's Degree	No specific discipline. Degree in IT or related field preferred.	And	4	Relevant IT experience in the analysis and administration of network infrastructure, preferably in a university setting.	Or
High School/GED	General education.	And	8	Relevant IT experience in the analysis and administration of network infrastructure, preferably in a university setting.	

Minimum Skills and Abilities

Description	Proficiency	
Knowledge of computer engineering, network architecture, and network hardware.	Beginner	And
Ability to build, configure and deploy routers, wireless, and new switches.	Beginner	And
Knowledge of routers and switchers.	Beginner	And
Ability to recognize, analyze, and solve a variety of problems.	Beginner	And
Ability to effectively communicate technical concepts to a non-technical audience.	Beginner	

Minimum Technology

Technology	Technology Details	
Strong technical aptitude and computer skills.		And
LAN/WAN		

Minimum Licenses and Certifications

Licenses/Certifications	Licenses/Certification Details	Time Frame	
None Required.			

Approved Date: 11/8/2019