



City of Tempe

SENIOR ENTERPRISE NETWORK ENGINEER

JOB CLASSIFICATION INFORMATION

<i>Job Code:</i>	419	<i>FLSA Status:</i>	Exempt
<i>Department:</i>	Internal Services	<i>Salary / Hourly Minimum:</i>	\$90,737
<i>Supervision Level:</i>	Non-supervisor	<i>Salary / Hourly Maximum:</i>	\$122,495
<i>Employee Group:</i>	NSU	<i>State Retirement Group:</i>	ASRS
<i>Status:</i>	Classified	<i>Market Group:</i>	Enterprise Network Engineer II+
<i>Drug Screen / Physical:</i>	N	<i>EEO4 Group:</i>	Professionals

DISTINGUISHING CHARACTERISTICS

REPORTING RELATIONSHIPS

Receives direction from the Information Technology Manager or from other supervisory or management staff.
 Monitors and schedules junior staff and consultant activities required to implement complex projects.

MINIMUM QUALIFICATIONS

<i>Experience:</i>	Five years of LAN/WAN or telecommunications infrastructure engineering experience and proficiency in two of the following: switches and routers, trunked radio, cable engineering, voice networks, infrastructure security, or data communications.
<i>Education:</i>	Requires the equivalent to a Bachelor's degree from an accredited college or university with major course work in electronics or communications engineering or degree related to the core functions of this position.
<i>License / Certification:</i>	<ul style="list-style-type: none"> • Must possess and maintain a valid driver's license within six months of hire. • Possession of, or required to obtain within six months of hire, a valid Cisco Certified Design Associate (CCDA) certification.

ESSENTIAL JOB FUNCTIONS

Essential job functions are the fundamental duties of a position: the things a person holding the job absolutely must be able to do.

To actively support and uphold the City's stated mission and values. To perform complex technical work

in the long-range planning, design, implementation and management of the electronic communications infrastructure utilized by the City; and to provide technical assistance to staff in the installation and maintenance of voice, data, video conferencing and radio equipment.

OTHER DUTIES AS ASSIGNED

Please note this job description is not designed to cover or contain a comprehensive listing of all activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.

- Perform job duties adequately and properly; follow personnel and department policies and operating procedures; show respect, tact, and courtesy in dealings with coworkers and the general public; behave in a manner that does not obstruct or hinder other employees from completing their duties; act in a manner that is safe and follow the City's safety procedures at all times.
- Develop tactical and long-range plans for the City's LAN/WAN and telecommunications infrastructure; perform complex analysis on the design and efficiency of the infrastructure to ensure that its current and future structure will meet the business needs of the City; install and maintain LAN/WAN and telecommunications infrastructure equipment; administer software related to management of the infrastructure.
- Act as the local agency security officer (LASO) for the Federal Bureau of Investigation's (FBI) Criminal Justice Information System (CJIS); perform duties as detailed in the CJIS Security Policy manual; implement and enforce security policy and design; implement wireless cryptology requirements for vehicle connectivity; review FBI security requirements; maintain City of Tempe security certification; and monitor CJIS infrastructure for illegal activity and audit compliance.
- Manage complex technical projects including integrated voice and data, local area and wide-area networks, wireless systems, video, trunked radio and related infrastructure.
- Monitor and coordinate projects of junior staff members; lead teams for project implementation and cross-training.
- Assist in developing complex technical specifications for the design or purchase of communications equipment including fiber optic systems, high-speed cable, voice/data switches and routers, and related equipment; evaluate communications products.
- Assist in the development and implementation of long-term goals and objectives to meet the City's LAN/WAN and telecommunications infrastructure needs.
- Research LAN/WAN and telecommunications infrastructure equipment to ensure that it meets the specifications established by the City; recommend design, construction, installation, and maintenance of equipment.
- Prepare operational reports including project status, equipment, network, inventory and area activity summaries; develop and maintain procedures manuals.
- Participate in budget preparation and administration; prepare cost estimates for budget recommendations; monitor and control expenditures.
- Participate in the selection of staff.
- Maintain contact with vendors to obtain information on product changes and new products; call vendors for status reports on purchases.
- Attend professional meetings and conferences as required.
- Perform related duties as assigned. .

- Physically present to perform the duties of the position.

PHYSICAL DEMANDS *AND* WORK ENVIRONMENT

- Pending

COMPETENCIES

<i>CLASSIFICATION LEVEL</i>	<i>INCLUDES</i>	<i>COMPETENCIES</i>
Foundational	All Employees	Inclusion, Communication, Interpersonal Skills, Integrity, Professionalism, and Willingness to Learn
Non-Supervisory	In Addition >	Teamwork, Customer Service, Initiative, and Dependability / Reliability
Supervisory	In Addition >	Staffing, Monitoring Work, Delegating, Development / Mentoring, and Support Others
Manager	In Addition >	Preparing / Evaluating Budgets, Monitoring / Controlling Resources, and Motivating / Inspiring
Deputy Director	In Addition >	Entrepreneurship and Networking
Director	In Addition >	Organizational Vision

For more information about the City of Tempe's competencies for all classifications:

[City of Tempe, AZ : Competencies](#)

JOB DESCRIPTION HISTORY

Effective July 2003

Revised January 2008 (Job Duties & Certs)