



City of Tempe

SENIOR ENTERPRISE NETWORK ENGINEER

JOB CLASSIFICATION INFORMATION			
<i>Job Code:</i>	419	<i>Department:</i>	Information Technology
<i>Supervision Level:</i>	Non-Supervisor	<i>State Retirement Group:</i>	ASRS
<i>Status:</i>	Classified	<i>Market Group:</i>	Enterprise Network Engineer II+
<i>Safety Sensitive / Drug Screen:</i>	No	<i>Physical:</i>	No

Click [here](#) for more job classification information including current salary range.

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 (5) years of LAN/WAN, information security or telecommunications infrastructure engineering experience.
<i>Education:</i>	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>	<p>Possession of, or required to obtain within six (6) months of hire, a valid driver's license.</p> <p><u>When assigned to IT Network Operations Section:</u></p> <ul style="list-style-type: none"> • Possession of, or required to obtain within six (6) months of hire, a Cisco CCNP Certified Network Professional certification. • Possession of, or required to obtain within 6 months of hire date, one (1) of the listed certifications. <p><u>When assigned to Information Security and Privacy Office:</u></p> <ul style="list-style-type: none"> • Possession of, or required to obtain within six (6) months of hire, either a Certified Ethical Hacker (CEH) or Offensive Security Certified Professional (OSCP) certification.

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| | <ul style="list-style-type: none">● Information Systems Security Professional (CISSP) certification is preferred. |
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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 and security infrastructure utilized by the City; and to provide technical assistance to staff in the installation and maintenance of voice, data, security, 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.

- Develop tactical and long-range plans for the City's LAN/WAN, cybersecurity 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, cybersecurity and telecommunications infrastructure equipment; administer software related to management of the infrastructure.
- Support the local agency security officer (LASO) for the Federal Bureau of Investigation's (FBI) Criminal Justice Information System (CJIS) security program compliance; 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, cybersecurity, 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 and cybersecurity 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, cybersecurity and telecommunications infrastructure needs.
- Research LAN/WAN, cybersecurity and telecommunications infrastructure equipment to ensure that it meets the specifications established by the City; recommend design, construction, installation, and maintenance of equipment.
- Assists in the development, management and monitoring operationalized effectiveness of the City's information security and privacy program, including policies, standards, risk assessments, audits, investigations and guidelines.
- 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.

PHYSICAL DEMANDS AND WORK ENVIRONMENT

- Operate city vehicles;
- Work is performed in a general office environment with moderate noise;
- Operate a variety of standard office equipment including a computer, telephone, calculator, copy machine;
- Continuous and repetitive arm, hand and eye movement;
- May work in a stationary position for considerable periods of time;
- May lift and carry materials weighing up to 25 pounds;
- May require extensive reading and close vision work;
- May require working extended hours;
- May work alone for extended periods of time;
- May travel to/from meetings and various locations.

COMPETENCIES

CLASSIFICATION LEVEL	INCLUDES	COMPETENCIES
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)

Revised November 2019 (update min quals and job duties)

Revised September 2022 (update minimum quals – certifications)