SENIOR CYBERSECURITY ANALYST

DEFINITION

Under general supervision, establishes, monitors, and maintains integrated security systems; analyzes overall threats and performance among various enterprise technology platforms, distributed networks and end-user computing devices.

SUPERVISION RECEIVED/EXERCISED

Receives supervision from Manager or designee. Exercises no supervision; may provide lead direction.

DISTINGUISHING CHARACTERISTICS

Senior Cybersecurity Analyst is the lead advanced working class in the Cybersecurity series. Incumbents coordinate and provide technical assistance to user departments and staff and conducts the analyses of security threats, performance, and participates in identifying and resolving more complex operating system issues. This class differs from the Cybersecurity Analyst in that the Senior Cybersecurity Analyst has lead responsibilities and participates in identifying and resolving more complex enterprise technology platform and security issues.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES
May include, but are not limited to, the following:

Provides lead technical instruction with cybersecurity hardware, software and services which may involve the use of distributed networks, local area networks, data transfer between operating systems, cloud services and other types of data networks and services.

Participates in the planning and design of enterprise security architecture.

Participates in the creation of enterprise security documents (policies, standards, baselines, guidelines, and procedures).

Participates in the planning and design of an enterprise business continuity plan and disaster recovery plan.

Monitors computer networks for security issue; investigates security breaches and other cybersecurity incidents; and resolves detected vulnerabilities to maintain a high-security standard.

Meets with user departments; provides guidance in analyzing operational technology needs to determine requirements; prepares reports of analyses.

Recommends and reviews services, hardware, software, and network configurations to establish the best secure use of resources to meet City needs.

Provides lead technical assistance in the repair, operation and maintenance of enterprise technology platforms.

Provides installation, evaluation and diagnosis of enterprise technology platforms.

Recommends modifications for hardware, software and services.

Coordinates with technology vendors to establish cost estimates.

Performs related duties as required.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

Storage Area Networking (SAN) technologies and Network Attached Storage (NAS) equipment.

Microsoft Windows Server and Linux Operating Systems.

Local Area Networks (LAN), Wide Area Networks (WAN), Internet and Intranets.

Server virtualization and compute platforms.

Network security, desktop/server security, data security, forensic investigation and Identify and Access Management (IAM) best practices.

Enterprise grade anti-virus systems, DNS Filters and Vulnerability Scanners.

Office procedures, methods, and equipment including computers and applicable software applications.

Ability to:

Analyze functional network requirements and specifications for computer hardware and software.

Prepare clear, concise, and comprehensive records, reports, correspondence and other written materials.

Direct installation, maintenance, and repair of enterprise technology platforms.

Train and provide lead direction to staff.

Monitor project schedules.

Establish and maintain effective working relationships with those contacted in the performance of duties.

Communicate effectively, both orally and in writing.

Adapt to evolving technology to solve problems.

Skill to:

Safely operate a motor vehicle

MINIMUM QUALIFICATIONS

High School Diploma or GED equivalency; and two (2) years of experience equivalent to that gained as a Cybersecurity Analyst with the City of Fresno.

Special Requirement

Possession and continued maintenance of a valid California Driver's License is required at time of appointment.

Candidates selected for hiring consideration will be required to pass an extensive pre-employment background investigation.

APPROVED: *(Signature on File)*   DATE: 7/7/21
                   Director of Personnel Services

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