

## INFORMATION TECHNOLOGY SECURITY SPECIALIST

### NATURE OF WORK

This is responsible technical work securing the Information Technology systems for the Transportation and Utilities Department for the City of Lincoln.

Work involves analyzing current security status of the department systems including developing and revising Information Technology security policies and procedures. Work also involves coordinating efforts of vendors and staff to implement solutions and ensure systems are secured, staying current with industry best practices and emerging threats to department IT security. General supervision is received from a superior with work being reviewed through reports and procedures and achievement of stated objectives.

### EXAMPLES OF WORK PERFORMED

Provides application and product support related to security status and requirements; develops and revises Information Technology security plans for departmental systems; performs reviews of system access to ensure only authorized users have access; coordinates with city networking staff to ensure network access controls to department systems meet security needs.

Develops efficient work operations and promotes innovation; reviews any proposed changes to SCADA systems for potential security issues prior to implementation; develops educational resources for staff on IT security best practices; assesses emerging security threats and recommends action for resolution.

Determines security violations and inefficiencies by conducting periodic audits; uses security tools to identify vulnerabilities in department systems; responds to security incidents on department systems and prepares after-action report.

Researches and evaluates new technologies and how to integrate with existing security infrastructure; provides security reports for audits and compliance.

Provides excellent customer service; identifies customer requirements to anticipate problems and recommends actions; resolves questions, issues and complaints by applying policies and procedures, and consulting with other staff to develop answers or solutions.

### DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS

Knowledge of information security concepts, protocols, industry best practices and strategies.

Knowledge of system technology security testing.

Knowledge of operating system internal and network protocols.

Ability to analyze emerging threats for departmental IT systems and provide recommendations.

Ability to communicate effectively both orally and in writing.

Ability to prepare written directives and reports.

#### MINIMUM QUALIFICATIONS

Graduation from an accredited four-year college or university with major coursework in information technology or related field and four years of experience working with computer software, hardware, system design, and IT security; or any equivalent combination of training and experience that provides the desirable knowledge, abilities, and skills.

#### NECESSARY SPECIAL REQUIREMENTS

Possession of a valid driver's license when operating a vehicle is necessary for the satisfactory performance of assigned duties.

11/23

PS2003