

Network Design Technician III

Position Details

Class Code: 1548

Job Family: Information Systems

Classification: Support Professional

Terms of Employment: [Pay Grade 58 on the Support Professional Salary Schedule](#)

FLSA Status: NON-EXEMPT

Position Summary

Under general supervision, develops designs, layouts, and specifications, and reviews/monitors construction activities related to low-voltage data communications systems and infrastructure.

Essential Duties and Responsibilities

The list of Essential Duties and Responsibilities is not exhaustive and may be supplemented.

1. Maintains state-of-the-art competency in related network communications infrastructure technologies and processes as they relate to design and construction activities.
2. Participates in development of standard designs and construction specifications/requirements as they relate to low-voltage data communications infrastructure systems, equipment, spaces, and pathways.
3. Performs design reviews and develops redlines, acceptances, out-of-compliance notices, and related documentation.
4. Performs on-site inspections of in-progress construction activities for conformance-to-plan reviews.
5. Provides guidance and assistance to peers and lower level technicians.
6. Performs field support at Clark County School District schools, offices, or other locations, as directed.

7. Performs occasional research and development tasks with guidance/assistance from specialists.
 8. Provides on-call support.
 9. Conforms to safety standards, as prescribed.
 10. Performs other tasks related to the position, as assigned.
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Distinguishing Characteristics

Involves independent research, analysis, and development of designs, specifications, and layouts; plans construction reviews and red-line development.

Knowledge, Skills, and Abilities (Position Expectations)

1. Knowledge of low-voltage data communications infrastructure specifications and requirements.
 2. Knowledge of construction processes and activities.
 3. Knowledge of cabling, termination, installation, troubleshooting, and repair including Category (CAT) 5 and CAT 6 technologies.
 4. Knowledge of fiber optic cabling, termination, installation, and repair including single mode and multi-mode.
 5. Knowledge of national/local building codes and best practices as they relate to low-voltage data communications designs, specifications, and installations.
 6. Ability to review, understand, and critique construction plans, requirements, shop-drawings, etc.
 7. Ability to discuss, understand, and explain technical issues with non-technical customers.
 8. Ability to plan complex network communications activities.
 9. Ability to read and interpret complex technical documentation in English.
 10. Ability to create, edit, and maintain technical documentation in English.
 11. Ability to make technical presentations to District staff and administrators.
 12. Ability to recognize and report hazards and apply safe work methods.
 13. Possess physical and mental stamina commensurate with the responsibilities of the position.
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Position Requirements

Education, Training, and Experience

High school graduation or other equivalent (i.e., General Educational Development (GED), foreign equivalency, etc.) plus four (4) years of work experience in an Information Technology (IT)-related technical support field and three (3) additional years of professional work experience providing design, review, and inspection services, support, and troubleshooting for low-voltage data communications systems, hardware, cabling, spaces, pathways, and related technologies; or,

Associate's degree from an accredited college or university (or two (2) years of college) with a major area of study in Information Technology (IT)-related areas such as Management Information Systems (MIS), Computer Science, Electrical Engineering, etc., plus two (2) years of work experience in an Information Technology (IT)-related technical support field and three (3) additional years of professional work experience providing design, review, and inspection services, support, and troubleshooting for low-voltage data communications systems, hardware, cabling, spaces, pathways, and related technologies; or,

Bachelor's degree from an accredited college or university (or four (4) years of college) with a major area of study in Information Technology (IT)-related areas such as Management Information Systems (MIS), Computer Science, Electrical Engineering, etc., and three (3) years of professional work experience providing design, review, and inspection services, support, and troubleshooting for low-voltage data communications systems, hardware, cabling, spaces, pathways, and related technologies.

THE OPERATING SYSTEM(S), HARDWARE AND SOFTWARE APPLICATION(S), PROGRAMMING LANGUAGE(S), ETC., REQUIRED ARE CONTINGENT UPON THE CURRENT POSITION VACANCY, ADVERTISEMENT, OR ASSIGNMENT.

Licenses and Certifications

A valid driver's license or state-issued identification card.

Preferred Qualifications

1. Industry certification in the area of low-voltage data communications infrastructure design such as BICSI Registered Communications Distribution Designer (RCDD).
 2. Experience leading large and complex network-related technology design and construction projects.
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Document(s) Required at Time of Application

1. Copy of a valid driver's license or state-issued identification card.
 2. High school transcripts or other equivalent (i.e., GED, foreign equivalency, etc.).
 3. College transcript(s), if applicable.
 4. Specific documented evidence of training and experience to satisfy qualifications.
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Examples of Assigned Work Areas

Clark County School District Technology & Information Systems Services Department and other locations; air conditioned and non-air conditioned school equipment rooms; travel to and from schools and other district office settings; rough, outdoor construction areas.

Work Environment

Strength

Sedentary/medium – exert force of 20-50 lbs., occasionally; 10-25 lbs., frequently; up to 10 lbs., constantly.

Physical Demand

Frequent sitting, standing, walking, pushing, pulling, carrying, crawling, stooping, kneeling, crouching, reaching, handling, repetitive fine motor activities, climbing, and balancing. Mobility to work in a typical office setting and use standard office equipment. Stamina to remain seated and maintain concentration for an extended period of time. Hearing and speech to communicate in person, via video conference and computers, or over the telephone. Vision: Frequent near and far acuity, and color vision. Vision to read printed and online materials, a Video Display Terminal (VDT) screen, or other monitoring devices.

Environmental Conditions

Climate-controlled office settings to work outdoors with temperatures ranging from mild/moderate to extreme cold/heat. Exposure to noise levels ranging from moderate to loud for occasional to frequent time periods.

Hazards

Furniture, playground/office equipment, communicable diseases, chemicals and fumes (as related to specific assignment), and power/hand-operated equipment and machinery (as related to specific assignment).

Examples of Equipment/Supplies Used to Perform Tasks

Various computers, printers, modems, telephones, fax machines, drills, punch-down tools, digital multi-meters, laser communication devices, data system and communications test equipment, hand/power tools used in the installation and repair of technology equipment, personal protective equipment (i.e., hard-hats, safety glasses, steel-toed footwear, etc.).

AA/EOE Statement

The Clark County School District is proud to be an equal opportunity employer. The Clark County School District is committed to providing all applicants and employees equal employment opportunities without regard to race, color, religion, sex, gender identity or expression, sexual orientation, national origin, genetics, disability, age, military status, or other characteristics protected by applicable law. Here at Clark County School District, we are a diverse group of people who honor the differences that drive innovative solutions to meet the needs of our students and employees. We believe that through a culture of inclusivity, we have the power to reflect the community we serve.

Job Revision Information

- Revised: 05/17/23
- Created: 01/09/13