

TRADE PREP

Data Centers Electrical Construction Helper

Program Guide

Unlock a Path to a New Data Center Electrical Construction Career

Start your journey towards a new career with skilled trades high school content for Construction and Building Trades. Embark on an expertly curated program where you can build skills, earn a job-ready certificate, and have the option to pursue industry-recognized certifications to turn you into a highly competitive job candidate. By leveraging the power of immersive 3D simulations and high-impact video content, you will build the essential skills needed to enter the workforce.

The Data Centers Electrical Construction Helper Job-Ready Certificate Program prepares you for entry-level helper electrical installation positions. After completing the program, you should be employable as a valuable helper in the field.



75 Expert-led Training Hours



Interplay Job-Ready Certificate

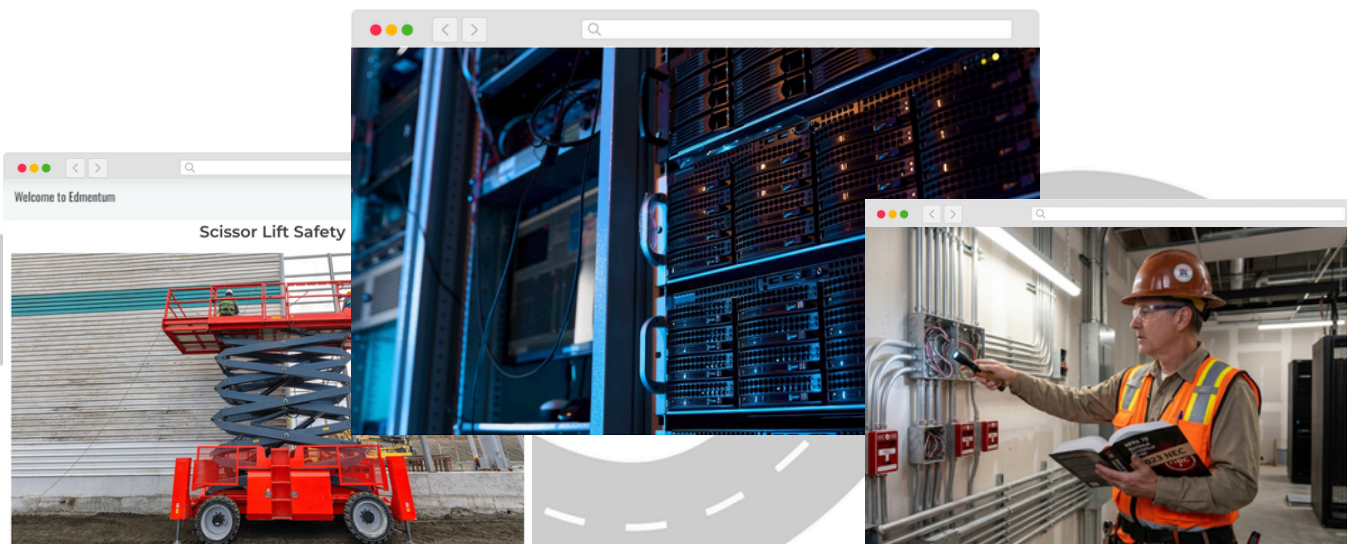


10 Certification Preparation Hours



OSHA 10-Hour Construction Credential Testing*

**May be upgraded to OSHA 30 for an additional fee.*



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Skilled Trades High School Content for In-Demand Jobs

Trade Prep has what need to unlock your potential and start a new career. After completing the program, you will receive an Interplay Learning Job-Ready Certificate.

Site Mission & Core Safety 1

- Data Center Introduction
- Electrical Safety
- Personal Protective Equipment (PPE)
- Understanding Situational Awareness
- Emergency Response
- Lockout Tagout Program
- Hand and Power Tool Safety
- Safety Assessment & Hazard Rec.

Core Safety 2

- Hazard Communications
- Hazard ID and Risk Assessment
- Hot Work
- Confined Space Awareness
- Preventing Slips, Trips, and Falls
- Intro to Fire Safety and Portable Fire Extinguishers
- Laser Safety

Electrical Tools in Construction

- Hand and Power Tools for Electrical Work
- Electrical Tools
- How to Use a Multimeter
- Powder-Actuated Tools Overview

Electrical Theory and Power Maps

- Introduction to Electrical Circuits
- Fundamental Electrical Concepts
- Math for Electricians
- AC Power
- Introduction to Electrical Systems
- Commercial Electrical Transformer Installation
- Commercial Single-Line Diagrams
- Electrically Safe to Work Procedures

DC: Electrical Construction Basics

- Electrical Installation
- EMT Conduit Bending
- EMT Installation: Boxes and Conduit
- Scissor Lift Safety
- Material Handling: Dollies, Hand Trucks, and Pallet Jacks

Conductors and Grounding

- Wire Types and Sizes
- Ampacity and Wire Sizing
- Grounding and Bonding

Critical Systems

- Intro to Commercial Transformers
- Power Distribution, Delta, and Wye Systems
- Emergency Power Introduction
- NFPA 110: Standards for Emergency Power
- Building Automation Systems (BAS) Intro

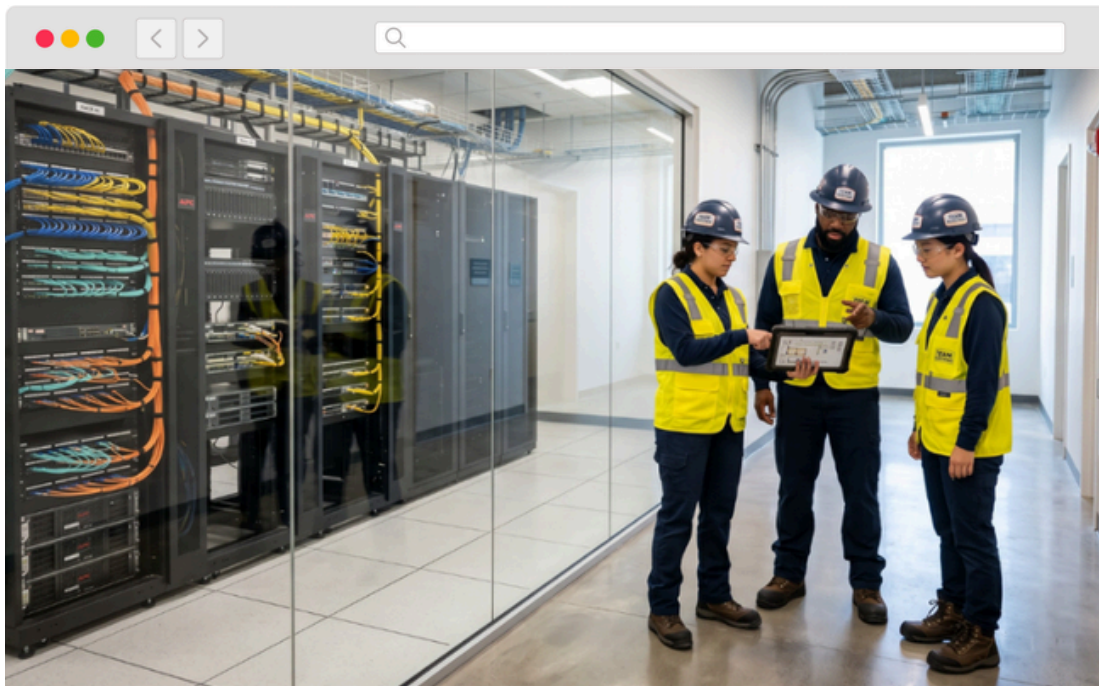
Code Compliance and Life Safety

- Intro to Electrical Code
- NEC Code Changes - 2023
- NEC: Wiring and Protection
- NEC: Wiring Methods and Materials
- NEC Commissioning: Rough-in Inspection
- Electrical Safety - NFPA 70-E
- Intro to Fire Alarm Systems
- Fire Alarm System Installation

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Become a More Competitive Job Candidate

Learn more about a career in data center electrical construction with additional, optional content.



CAREER EXPLORATION



Explore immersive experiences to help visualize the day-to-day duties, tools, and skills required for each career path.

INDUSTRY CERTIFICATION



OSHA 10-Hour Construction Industry Exam*

WORKPLACE PROFESSIONALISM



- Avoiding Callbacks
- Working on a Team
- Maintaining a Professional Image

**Trade Prep provides guidance that connects students to relevant third-party exam information. Completing the exam is an additional purchase. May be upgraded to OSHA 30 for an additional fee.*

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Become a More Competitive Job Candidate

Learn more about a career in multifamily maintenance with additional, optional content.

INDUSTRY CERTIFICATION



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Industry Exam*

WORKPLACE PROFESSIONALISM



- Working on a Team
- Effective Communication in the Workplace
- Avoiding Callbacks
- Dealing with Difficult Customers
- Maintaining a Professional Image

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