

EDMENTUM CAREER: TRADE PREP

Electrical

Program Guide

Unlock a Path to a New Electrical 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 Electrical Program prepares you for entry-level electrical positions. After completing the program, you should be employable as an electrician's helper who can be a valuable assistant in the field.



48 Expert-led Training Hours



Interplay Job-Ready Certificate



Electrical Career Exploration



Guidance for Industry Certification



Electrical Program Guide

Skilled Trades High School Content for In-Demand Jobs

Edmentum Career: 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.

Getting Started

- Becoming an Electrician
- Fundamental Electrical Concepts
- Math for Electricians
- Electrical Tools
- How to Use a Multimeter
- Hand and Power Tools for Electrical Work

Circuit Basics

- Introduction to Electrical Circuits
- Building DC Circuits
- Building DC Combination Circuits
- Troubleshooting Basic Circuits

Installation Basics

- Ampacity and Wire Sizing
- Electrical Devices
- EMT Conduit Bending
- Electrical Installation
- EMT Installation: Boxes and Conduit
- Three- and Four-Way Wiring and Installation

Electrical Safety

- Ladder and Fall Safety
- Electrical Safety
- Lockout/Tagout Awareness

Electrical Code

- Intro to Electrical Code
- NEC Code Changes - 2023
- Introduction to the NEC: Wiring and Protection
- NEC: Wiring Methods and Materials

Become a More Competitive Job Candidate

Learn more about a career in multifamily maintenance 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*

**Trade Prep provides guidance that connects students to relevant third-party exam information. Completing the exam is an additional purchase.*

EDMENTUM CAREER: TRADE PREP

Job-Ready Certificate

Program Guide

Electrical



Certificate Program Components



COMPONENT 1: Getting Started

- Becoming an Electrician
- Math for Electricians
- Fundamental Electrical Concepts



COMPONENT 2: Tool Fundamentals

- How to Use a Multimeter
- Electrical Tools
- Hand and Power Tools and Electrical Work
- Basic Construction for Trades
- Repairing Drywall



COMPONENT 3: Circuit Basics

- Building DC Circuits
- Building DC Combination Circuits
- AC Power
- AC Motor Lab
- Troubleshooting Basic Circuits



COMPONENT 4: Installation Basics

- Electrical Installation
- Electrical Devices
- Ampacity and Wire Sizing
- EMT Conduit Bending
- EMT Installation: Boxes and Conduit



COMPONENT 5: Electrical Safety

- Electrical Safety
- Ladder and Fall Safety
- Lockout/Tagout Awareness



COMPONENT 6: Electrical Code

- Intro to Electrical Code
- Three and Four-Way Wiring and Installation
- NEC: Wiring Methods and Materials

ADDITIONAL CONTENT

While additional content is not required to complete the program, this content can be a critical component to becoming a competitive job candidate.



COMPONENT 1: Electrical Career Exploration

Learn more about a career in electrical before starting a job-ready certificate program. Career exploration provides immersive experiences to help you visualize the day-to-day duties, tools, and skills required for each career path.



COMPONENT 2: Industry Certification Testing

OSHA 10-Hour Construction Industry Exam*



COMPONENT 3: Workplace Professionalism

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

*Additional purchase.

The Electrical Job-Ready Certificate Program prepares you for entry-level electrical positions. After completing the program, you will receive an Interplay Learning Job-Ready Certificate.

 45 Expert-led Training Hours



INTERPLAY ACADEMY

About Interplay Academy

Start your journey towards a new career with Interplay Academy's Job-Ready Certificate Programs for Construction and Building Trades.

With Interplay Academy, you will embark on an expertly curated program where you can earn a ~~job-ready certificate~~ and certifications to turn you into a highly competitive job candidate.

By leveraging the power of immersive 3D simulations and high-impact video content, Interplay Academy helps you build the essential skills needed to enter the workforce.



Interplay Learning's Job-Ready Certificate Program for Electrical

The Electrical Job-Ready Certificate Program prepares you for entry-level electrical positions. After completing the program, you should be employable as an electrician's helper who can be a valuable assistant in the field.

The Complete Electrical Job-Ready Certificate Program Includes:

✓	45 Expert-led Training Hours
✓	10 Certification Preparation Hours
✓	Interplay Learning Job-Ready Certificate
✓	OSHA 10 Certification Testing*

**OSHA 10 may be upgraded to OSHA 30 for an additional fee*

A Path to a New Electrical Career

Interplay Academy has the tools you need to unlock your potential and start a new career



**Career
Exploration**



**Hands-On
Skill Building**



**Certification
Preparation
and Testing**



**Employer
Connections**



Certificate Program Components and Courses



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- Becoming an Electrician
- Math for Electricians
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COMPONENT 2: Tool Fundamentals

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- Hand and Power Tools and Electrical Work
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- Repairing Drywall



COMPONENT 3: Circuit Basics

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- AC Power
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- Electrical Devices
- Ampacity and Wire Sizing
- EMT Conduit Bending
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COMPONENT 5: Electrical Safety

- Electrical Safety
- Ladder and Fall Safety
- Lockout/Tagout Awareness



COMPONENT 6: Electrical Code

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