

# Earn Electrical Unpaid Hour Credit Online

ABC of Wisconsin Apprenticeship and Training Trust offers Wisconsin approved online electrical continuing education unit (CEUs) courses through a partnership with JADE Learning. These courses are approved for apprentice unpaid hours and CEUs for registered electricians, journeyman and master electricians.

## HOW CREDIT WORKS:

JADE Learning submits Continuing Education verification directly to the Department of Safety and Professional Services after completion. Completion verification is not sent to ABC of Wisconsin. Upon finishing courses, JADE Learning will email students a completion certificate, which can be sent to ABC of Wisconsin. Apprentices must submit verification directly to ABC of Wisconsin to receive Unpaid Related Instruction credit.

## Available Classes

### 24-Hour Renewal Package for Wisconsin Electricians

2017 NEC Changes Part 1, 2017 NEC Changes Part 2, Residential Wiring (2017 NEC), Installing Services (2017 NEC)

### 2017 NEC Changes Part 1

This course will review the first half of the most important National Electrical Code changes from the 2017 NEC. Changes from the addition of new articles to Article 408 will be covered.

### 2017 NEC Changes Part 1 (Homestudy)

This course will review the first half of the most important National Electrical Code changes from the 2017 NEC. Changes from the addition of new articles to Article 408 will be covered.

### 2017 NEC Changes Part 2

This course will review the second half of the most important National Electrical Code changes from the 2017 NEC. Changes from articles 409 – Informative Annex D will be covered.

### 2017 NEC Changes Part 2 (Homestudy)

This course will review the second half of the most important National Electrical Code changes from the 2017 NEC. Changes from articles 409 – Informative Annex D will be covered.

### Calculations (2017 NEC)

This course covers selecting conductors from Table 310.15(B)(16), applying adjustment

factors and ambient temperature correction factors, and accounting for continuous loads. Single family and multi-family dwelling calculations including lighting loads, general loads, feeder or service neutral loads, and heating and air-conditioning loads are also covered, as well as box fill calculations and motors covers full load current and conductor ampacity.

### Commercial & Industrial Wiring (2017 NEC)

This course will review the 2017 National Electrical Code requirements for installing commercial and industrial wiring systems and equipment. Topics covered will include branch circuits and feeders, overcurrent protection, grounding and bonding, wiring methods and materials, switchboards and panelboards, motors, motor circuits, and motor controllers, generators, transformers, and industrial machinery.

### Installation Checklists

This course will focus on the key points that electrical inspectors look for when making commercial or residential inspections. The course provides important installation practices for passing a rough and final inspection. Also included are NEC requirements for installing wiring underground, above the ceiling, and on the rooftop. Checklist items cover installing and grounding panelboards, services, and transformers.

### Installing Services (2017 NEC)

This course will focus on the 2017 National Electrical Code rules for installing Service Equipment and Conductors including Service Basics, Overground and Underground Services, Service Entrance

Conductors, Service Equipment, and exercises using a Strip Shopping Center.

### OSHA Safety for Electricians

This course covers OSHA standards for workplace safety for electricians working in construction and general industry. There are three main sections to the course (1) top violations cited by OSHA, (2) non-electrical workplace safety hazards common on any job site, and (3) hazards that are related to electrical work. Links to OSHA are included along with downloadable safety quick cards and other job aids.

### Overcurrent Protection (2017 NEC)

The key sections of Article 240 will be discussed. Overcurrent protection for panelboards, appliances, motors, motor compressors, transformers, and fire pumps will also be included. The requirements for ground-fault protection for personnel and arc-fault circuit-interrupter protection are presented.

### Residential Wiring (2017 NEC)

This course will cover the requirements in the 2017 NEC for installing electrical systems in dwelling units. Code sections are organized by equipment type or location in the dwelling and include: Service and Subpanels, Kitchen, Pantry and Dining Rooms, Bathrooms and Laundry, Living Areas (and Bedrooms), Stairways and Hallways, Luminaires, Fans and Switches, Outdoors, Garages, Basements, and Crawl Spaces, Heating and Cooling, Swimming Pools and Spas, Generators, Limited Energy, Installation and Wiring Methods.

**Access these classes at [abcwi.org/OnlineTraining](http://abcwi.org/OnlineTraining)**