

## ELECTRICAL CONSTRUCTION

This program prepares students for careers in the electrical construction industry. A combination of basic concepts, theory, and practical application is utilized to develop academic, technical, and professional knowledge and skills. Regardless of where the student gains employment, this program serves as a pre-apprenticeship program where they can continue on-the-job training until fully qualified as a journeyman.

### PROGRAMS BEGIN

February  
June  
October

### TECHNICAL COLLEGE CERTIFICATE

Commercial Electrical Construction Technician

### ADDITIONAL CERTIFICATE

NCCER Curriculum Accredited

### DID YOU KNOW?<sup>1</sup>

The Electrical industry  
is projected to grow  
**7% by 2031**

### IMPORTANT QUALITIES<sup>1</sup>

- Critical Thinking Skills
- Customer-service Skills
- Physical Stamina
- Physical Strength
- Hand-eye Coordination
- Attention to Detail
- Analytical Skills
- Color Vision
- Communication Skills

### COURSES

- ELTR 1010 Direct Current Fundamentals
- ELTR 1020 Alternating Current Fundamentals
- ELTR 1060 Electrical Prints, Schematics & Symbols
- ELTR 1080 Commercial Wiring I
- ELTR 1090 Commercial Wiring II
- ELTR 1270 NEC Industrial Wiring Appls

### MEDIAN SALARY<sup>1</sup>

**\$60,040**

### NUMBER OF JOBS AVAILABLE<sup>1</sup>

**711,200**

### TYPICAL RESPONSIBILITIES<sup>1</sup>

- Read blueprints or technical diagrams
- Install and maintain wiring, control, and lighting systems
- Inspect electrical components, such as transformers and circuit breakers
- Identify electrical problems using a variety of testing devices
- Repair or replace wiring, equipment, or fixtures using handtools and power tools
- Follow state and local building regulations based on the National Electrical Code
- Direct and train workers to install, maintain, or repair electrical wiring or equipment