



## NCCER – Electrical – Level 1

Certification website: [Electrical - NCCER](#)

### Credential Summary

The Electrical curriculum prepares learners for a career as skilled professionals in the electrical field. It places strong emphasis on safe work practices, while covering applied electrical theory and residential, commercial, and industrial electrical knowledge and skills.

### Overview

- **Related Instructional Hours:** 112.5
- **Exam details:** Pass with 70%
- **Third party testing provider:** National Center for Construction Education & Research (NCCER)
- **Exam cost:** \$3
- **Renewal details:** N/A

### Job Opportunities

- **Relevant SOC codes**
  - Electrician 47-2111
  - Helper-Electrician 47-3013
- **Demand Information**
  - Average flame ranking = 3.47/5
- **Average Wages**
  - Ranges from \$37,700 (18.13 per hour) to \$66,630 (32.04 per hour)  
(Average wages pulled as of October 2023)

### Knowledge, Skills, and Competencies

- Occupational Overview: The Electrical Industry
- Safety for Electricians
- Introduction to Electrical Circuits
- Electrical Theory
- Introduction to the National Electrical Code
- Outlet, Device, Pull, and Junction Boxes
- Hand Bending
- Wireways, Raceways, and Fittings
- Conductors and Cables
- Basic Electrical Construction Documents
- Residential Wiring
- Electrical Test Equipment

### Post Secondary Relevance

- **Credit for prior learning**
  - Ivy Tech gives credit
- **Next level programs of study**
  - Construction Trades
  - Electrical Fundamentals
  - Advanced Electrical