

This document is meant to be a **CONDENSED SUMMARY** of module assessments and performance testing required for a student to achieve the **NCCER Electrical Level I Certification**. The actual NCCER Performance Profile packet should be studied, referenced, and used for instructor planning and execution of Level I certification for students. NCCER Performance Profiles Links:

[Core Curriculum](#)

[Electrical Level I](#)

In order for students to receive the NCCER Level 1 credential, the following criteria must be met

1. Facility must be an NCCER Accredited Training & Education Facility (ATEF)
2. Instructors must have a current NCCER Craft Instructor Certification in the applicable trade area
3. NCCER Registration and Release Form must be on file for each student receiving credential
4. All Core and Level I written/electronic assessments and Performance Profile assessments must be passed and NCCER testing procedures followed.

NCCER Core Curriculum: Module and Performance Profile Summary (5th Edition)

Module	Performance Profile
Basic Safety (00101-15)	<ol style="list-style-type: none"> 1. Extension ladder 2. PPE inspection 3. PPE fitting/removal 4. Power cord/GFCI inspection
Construction Math (00102-15)	No Performance Testing Required for this Module
Introduction to Hand Tools (00103-15)	<ol style="list-style-type: none"> 1. Visual inspection of 5 hand tools 2. Safe and proper use of 3 hand tools 3. Make a straight, square cut in lumber
Introduction to Power Tools (00104-15)	<ol style="list-style-type: none"> 1. Demonstrate the safe use of 3 power tools
Introduction to Construction Drawings (00105-15)	Using floor plan supplied with module: <ol style="list-style-type: none"> 1. Locate walls 2. Identify width 3. Determine distances between walls 4. Determine elevation of slab
Introduction to Basic Rigging (00106-15) <i>*Optional for Level I Certification</i>	<ol style="list-style-type: none"> 1. Demonstrate ASME Emergency Stop hand signal
Basic Communication Skills (00107-15)	<ol style="list-style-type: none"> 1. Perform a task after oral instructions 2. Work related form 3. Read and interpret instructions for donning PPE, oral instruction
Basic Employability Skills (00108-15)	No Performance Testing Required for this Module
Introduction to Materials Handling (00109-15)	<ol style="list-style-type: none"> 1. Demonstrate safe manual lifting 2. Demonstrate how to tie 2 common knots

NCCER Electrical I Curriculum: Module and Performance Profile Summary (8th Edition)

Module

Performance Profile

Orientation to the Electrical Trade (26101-14)	No Performance Testing Required for this Module
Electrical Safety (26102-14)	<ol style="list-style-type: none"> 1. Visual inspection of ladders 2. Ladder set up 3. Safety Harness 4. Performing a hazard assessment
Introduction to Electrical Circuits (26103-14)	No Performance Testing Required for this Module
Electrical Theory (26104-14)	<ol style="list-style-type: none"> 1. Read and interpret drawings/schedules 2. Read and interpret written specifications 3. Establish 90 degree angles with the 3-4-5 rule
Introduction to the National Electrical Code (26105-14)	<ol style="list-style-type: none"> 1. NEC Article 90 – Scope of NEC 2. Definition of “feeder” in NEC 3. NEC Specifications for outlet near swimming pool 4. Wire bending space
Device Boxes (26106-14)	<ol style="list-style-type: none"> 1. Appropriate box size and type 2. Minimum size pull or junction box applications (straight, angle)
Hand Bending (26107-14)	<ol style="list-style-type: none"> 1. Hand Bender: 90’s, back-to-back, offsets, kicks, and saddle bend 2. Cut, ream, and thread conduit
Raceways and Fittings (26108-14)	<ol style="list-style-type: none"> 1. Types and sizes of raceways, fittings, and fasteners 2. Installation of flexible raceway system 3. Termination of a raceway system 4. Appropriate conduit for given application
Conductors and Cables (26109-14)	<ol style="list-style-type: none"> 1. Install conductors in a raceway system
Basic Electrical Construction Drawings (26110-14)	<ol style="list-style-type: none"> 1. Using an Architect’s Scale, state dimensions of a drawing component (NCCER provided drawing) 2. Materials takeoff of NCCER provided drawing
Residential Electric Service (26111-14)	<ol style="list-style-type: none"> 1. For a residential dwelling of a given size and provided with a list of appliances: <ol style="list-style-type: none"> a. Compute various loads b. Determine branch circuits c. Size and select service-entrance equipment 2. Label lettered components in a panelboard diagram 3. Select proper outlet box for given set of conditions
Electrical Test Equipment (26112-14)	<ol style="list-style-type: none"> 1. Measuring voltage (under supervision) 2. Use an ohmmeter to measure the value of various resistors (under supervision)