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)

<table>
<thead>
<tr>
<th>Module</th>
<th>Performance Profile</th>
</tr>
</thead>
</table>
| Basic Safety (00011-15)                     | 1. Extension ladder  
2. PPE inspection  
3. PPE fitting/removal  
4. Power cord/GFCI inspection |
| Construction Math (00012-15)                | No Performance Testing Required for this Module                                      |
| Introduction to Hand Tools (00103-15)       | 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)      | 1. Demonstrate the safe use of 3 power tools                                       |
| Introduction to Construction Drawings (00105-15) | Using floor plan supplied with module:  
1. Locate walls  
2. Identify width  
3. Determine distances between walls  
4. Determine elevation of slab |
| Introduction to Basic Rigging (00106-15)    | 1. Demonstrate ASME Emergency Stop hand signal                                    |
| *Optional for Level I Certification         |                                                                                     |
| Basic Communication Skills (00107-15)       | 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)| 1. Demonstrate safe manual lifting  
2. Demonstrate how to tie 2 common knots |
<table>
<thead>
<tr>
<th>Module</th>
<th>Performance Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation to the Electrical Trade (26101-14)</td>
<td>No Performance Testing Required for this Module</td>
</tr>
</tbody>
</table>
| Electrical Safety (26102-14)               | 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)               | 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) | 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)                    | 1. Appropriate box size and type  
2. Minimum size pull or junction box applications (straight, angle) |
| Hand Bending (26107-14)                    | 1. Hand Bender: 90’s, back-to-back, offsets, kicks, and saddle bend  
2. Cut, ream, and thread conduit |
| Raceways and Fittings (26108-14)           | 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)           | 1. Install conductors in a raceway system |
| Basic Electrical Construction Drawings (26110-14) | 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)     | 1. For a residential dwelling of a given size and provided with a list of appliances:  
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)        | 1. Measuring voltage (under supervision)  
2. Use an ohmmeter to measure the value of various resistors (under supervision) |