

## NCCER Electrical COMBINED

March 8, 2019

Certifying Organization	National Center for Construction Education and Research (NCCER) <a href="http://www.nccer.org/">http://www.nccer.org/</a>	
Description of Credentials	<p>NCCER credentials provide students with immediate credibility among hiring executives in construction, manufacturing, maritime and all related industry sectors, giving certified students an advantage in attaining entry-level employment.</p> <p>Electricians install electrical systems in structures; they install wiring and other electrical components, such as circuit breaker panels, switches, and light fixtures, and they follow blueprints, the <i>National Electrical Code</i><sup>®</sup> and state and local codes.</p>	
	Helper <b>IBC#: 199</b>	Completion of Electrician's Helper demonstrates the student has some basic electrical skills including Orientation to the Electrical Trade; Electrical Safety and Theory, Introduction to Electrical Circuits and <i>National Electrical Code</i> <sup>®</sup> , Device Boxes, Hand Bending, Raceways and Fittings, Conductors and Cables, Basic Electrical Construction Drawings, Residential Electrical Services and Electrical Test Equipment.
	Level 1 <b>IBC#: 031</b>	Certification in NCCER Electrician Level 1 demonstrates the student has basic electrician skills including Orientation to the Electrical Trade; Electrical Safety and Theory, Introduction to Electrical Circuits and <i>National Electrical Code</i> <sup>®</sup> , Device Boxes, Hand Bending, Raceways and Fittings, Conductors and Cables, Basic Electrical Construction Drawings, Residential Electrical Services and Electrical Test Equipment.
	Level 2 <b>IBC#: 200</b>	Certification in NCCER Electrical Level 2 shows the individual has demonstrated basic electrician skills including Altering Current, Motors: Theory and Application, Electric Lighting, Conduit Bending, Pull and Junction Boxes, Conductor Installations, Terminations, and Splices, Cable Tray, Grounding and Bonding, Circuit Breakers and Fuses and Control Systems and Fundamental Concepts.
	Level 3 <b>IBC#: 201</b>	Certification in NCCER Electrical Level 3 shows the individual has demonstrated electrician skills including identifying residential and commercial branch circuit requirements and loads, conductor selection and calculation, practical applications of lighting, hazardous locations, overcurrent protection, distribution components, transformers and motor connections.
	Level 4 <b>IBC#: 202</b>	Certification in NCCER Electrical Level 4 shows the individual has demonstrated electrician skills including load calculation – feeders and services, health care facilities, standby and emergencies stations, electronic theory, fire alarm systems, and advanced controls.
Part of which Graduation Pathways <sup>1</sup>	<u>Statewide:</u> Electrician <u>Integrated:</u> Agriculture Tech, Manufacturing, Construction Crafts and Logistics <u>Regional:</u> Electrician's Helper	
<a href="#">Associated with Which Careers?</a>	<u>5 Star:</u> Electricians; First line Supervisors of Construction Trades and Extraction Workers <u>4-Star:</u> Electricians, Control and Valve Installers and Repairers <u>3 Star:</u> Electrician's Helper <u>2 Star:</u> Helpers - Install, Maintain, Repair Electrical Wiring, Equipment, and Fixtures	
Entry-Level Annual Salaries	\$17,810 - \$39,370	

Industry-Based Certification Requirements: Students						
Standard / Curriculum	NCCER Core is a prerequisite for completion of all NCCER credentials (and all Helper pathways). Classes may be taught concurrently, but Level 1 or above credentials cannot be attained until NCCER Core has been successfully completed. <a href="#">NCCER Electrical Curriculum</a> . Following completion of Level 1, higher levels may be attempted in sequential order.					
Testing Methodology	Paper?	Yes	Online?	Yes	Performance Exams / Tests?	Yes
Re-Testing (if available)	Re-Testing Procedures	Students may retest after 48 hours. During the 48 hour span, students may not be exposed to the assessments or any questions.			Max Attempts	No maximum number of attempts
Testing Details (including any age requirements / accommodations)	NCCER does not have any age restrictions for their credentials. NCCER assessments must be supervised by a certified NCCER Craft Instructor or Proctor at a certified NCCER Training Facility. Before any assessment is given to the student, instructor must have an NCCER Registration and Release Form on file for the student with parent/guardian signature. Students must pass written exam with a score of 70% or better. Performance verifications are pass/fail and must be signed off by the certified Craft Instructor. Testing accommodations, specifically tests read aloud, are only available for designated students. NCCER has given permission for school personnel to administer the assessment in a one-on-one setting provided the NCCER Craft Instructor ensures test security and documentation of IEP is kept on file.					
Industry-Based Certification Requirements: Teachers						
<i>Bulletin 746, Chapter 5: All Louisiana teachers providing instruction in a course that leads to an IBC must hold the certification that they're teaching students to attain.</i>						
Instructor Certification Requirements (by certifying agency)	Instructor must be a certified NCCER Electrical Craft Instructor with current certification at the level he or she is teaching. The state must have a <a href="#">Form 702A</a> and documentation of skill on file at LDOE for instructors to certify students in NCCER Electrical. To maintain NCCER Instructor certification, instructor must have Registration of Training Modules approved by NCCER before ICTP expiration (certification will be extended 3 years from completion date on Registration of Training Modules).					
Proctoring / Test Security (if any)	Only Master Trainers and NCCER Certified Instructors will have access to the tests. Tests will be administered by the instructor or Curriculum (ICTP) Proctor.					
Certification Tracking						
Credentialing Documentation	All scored module tests (both written and performance) will be kept in a secure physical or electronic location for at least three years. Results are submitted through the <a href="#">NCCER Registry</a> . Students, upon completion of NCCER Core and all NCCER Electrical modules, will receive a certificate and/or NCCER Card (this card is provided one time upon completion of first NCCER certification). <a href="#">Sample NCCER Credential</a> <a href="#">Sample NCCER Wallet Card</a>					
Certification Tracking System	Online Tracking System?	Yes	Details	N/A		
Other Details	Expiration Timeframe?	NCCER Electrical credentials do not expire.				

Certification Costs / Funding Sources					
Cost Details	<p>There is a one-time \$50 site application fee paid at initial site accreditation. No other certification costs are required by NCCER. It is the responsibility of certifying agency (school/district) to provide access to consumables and machinery needed to certify students. Online Testing is purchased through <a href="#">NCCER's Online Testing system</a>.  <a href="#">NCCER Electrical Trainee Guides</a>:            NCCER Electrical Level I Trainee Guides: \$67; Electrical Level II: \$97</p>				
Re-test / Refund Policies <sup>2</sup>	There are no costs associated with paper test or retest. There is a minimal fee for online assessments.				
Funding Sources <sup>2</sup>	CDF?	Yes	Perkins?	Yes	Alternative Source (other than General Funds)
<b>For More Information</b>					
Certifying Agency Contact Info	NCCER- 1-(888)-622-3720 <a href="#">Pearson</a> (textbooks)- Bill Underwood 1-(800)-720-3870 <a href="mailto:william.underwood@pearson.com">william.underwood@pearson.com</a>				
LDOE Contact	<a href="mailto:JumpStart@la.gov">JumpStart@la.gov</a>				

1 – This table may not include all the graduation pathways this credential appears in. Please check the [graduation pathway](#) you are working with if you have a question as to whether or not this credential is part of that pathway. Always check with certifying agency for latest updates.

2 – CDF = [Career Development Fund](#)