Industrial Electrician
AENELEC08
Updated June 2024

Focus Statement
An Industrial Electrician must be able to interpret job specifications, interpret industrial drawings, install, connect, and troubleshoot power distribution and control equipment, install raceway and cable distribution systems, install and connect transformers, install and connect medium voltage splices and terminations, and recognize electrical hazards.

Overview
- Three-hour closed-book examination
- May use a basic function, non-printing calculator
- May use the downloadable Electrical Formula sheet found on the Electrical craft page of the NCCER website
- No extra papers, books, notes, or study materials are allowed

Minimum passing score is 75.

Performance Verification
A corresponding hands-on Performance Verification is available.

NCCER Curriculum
All NCCER knowledge assessments are referenced to NCCER's curriculum modules as listed on this specification sheet. This assessment is referenced to NCCER's 11th edition of the Electrical curriculum. You may order books and modules from Pearson by visiting www.nccer.org/order-books-modules/

Assessment Development
All questions are developed and approved by subject matter experts under the direction of NCCER.

Credentials
Upon successful completion of the knowledge assessment or performance verification, credentials can be viewed and printed by the individual or assessment program through their NCCER Account.

Score Report and Training Prescription
Each candidate will have online access to their assessment results including their overall score and recommended training through their NCCER Account.

Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
26102	Safety for Electricians	8
26103	Introduction to Electrical Circuits	4
26104	Electrical Theory	5
26108	Wireways, Raceways, and Fittings	4
26109	Conductors and Cables	2
26112	Electrical Test Equipment	5

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Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
26201	Alternating Current	4
26202	Motors: Theory and Application	4
26204	Conduit Bending	4
26205	Pull and Junction Boxes	4
26206	Conductor Installations	4
26207	Cable Tray	4
26208	Conductor Terminations and Splices	5
26209	Grounding and Bonding	6
26302	Conductor Selection and Calculations	3
26304	Hazardous Locations	4
26305	Overcurrent Protection	4
26306	Distribution Equipment	3
26307	Transformers	4
26309	Motor Calculations	3
26311	Motor Controls	4
26406	Specialty Transformers	3
26407	Advanced Controls	3
26409	Heat Tracing and Freeze Protection	3
26411	Medium-Voltage Terminations/Splices	3

Total Number of Items **100**