

Commercial Electrician COMELEC26_01 *Updated November 2024*

Overview

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

Minimum passing score is 70.

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 10th 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	Electrical Safety	5
26107	Hand Bending	3
26103	Electrical Theory One	4
26112	Electrical Test Equipment	4
26105	Introduction to the National Electrical Code®	5
26108 26109	Raceways, Boxes, and Fittings	4

Commercial Electrician

COMELEC26_01

Updated November 2024

Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
26109	Conductors	3
26110 26202	Introduction to Electrical Blueprints	5
26111	Wiring: Commercial and Industrial	5
26203 26209	Grounding	5
26204	Conduit Bending	3
26207	Boxes and Fittings	4
26206	Conductor Installations	4
26208	Conductor Terminations and Splices	3
26209 26211	Installation of Electric Services	3
26210	Circuit Breakers and Fuses	3
26211	Contactors and Relays	2
26203	Electric Lighting	3
26301 26305 26311	Load Calculations – Branch Circuits	4
26301 26302	Conductor Selection and Calculations	4
26305 26306	Overcurrent Protection	4
26305 26311	Raceway, Box and Fitting Fill Requirements	2
26307	Wiring Devices	1

Commercial Electrician

COMELEC26_01

Updated November 2024

Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
26306 26311	Distribution Equipment	3
26307	Distribution System Transformers	2
26303	Lamps, Ballasts, and Components	2
26401	Load Calculations – Feeders and Services	2
26403	Standby and Emergency Systems	2
26405	Fire and Alarm Systems	2

Total Number of Items

96