

Industrial Insulator

INSU_03

Updated November 2024

Focus Statement

A journey-level industrial insulator must be able to identify the materials utilized in mechanical insulation systems, the tools and processes by which to install them, and the proper handling and storage of materials; must be able to safely and properly install, maintain, and repair insulation systems on piping, equipment, ductwork, and vessels for commercial and industrial applications in accordance with codes and specifications; must be able to read, understand, and utilize construction drawings and specifications; must be able to identify power and hands tools commonly used in the industry, and operate them safely in accordance with their design.

Overview

- Two-hour closed-book examination
- May use a basic function, non-printing calculator
- 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 2nd edition of the Mechanical Insulating 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
00101	Safety	7
19101	Tools of the Trade	2
19105 19107 19204	Pipe Insulation	7
19205 19206 19207	Installation of Insulation	11

Industrial Insulator

INSU_03

Updated November 2024

Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
19208 19304	Finishes and Adhesives	5
19212	Trade Math	5
19310 19311	Jacketing Fabrication	9
19312	Sheet Metal Lagging	4

Total Number of Items

50