

Instrumentation Fitter V4 AEN12FINST04 *Updated March 2020*

Focus Statement

An Instrument Fitter lays out, fabricates, installs, and performs leak testing on tubing and piping systems. The fitter also installs instruments and instrument stands and interprets instrument construction drawings, specifications, and any other resource documents. The instrument fitter is expected to exhibit basic mechanical and mathematical skills and to demonstrate good safety practices, especially electrical safety.

Overview

- Two-hour closed-book examination
- May use a basic function, non-printing calculator
- May use the downloadable Instrumentation Formula sheet found on the Instrumentation 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. 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
12106-14	Fasteners	4
12107-14	Instrument Drawings and Documents, Part One	6
12108-14	Gaskets, O-Rings, and Packing	4
12109-14	Lubricants, Sealants, and Cleaners	4
12111-14	Tubing	4
12115-14	Instrumentation Safety Practices	4
12117-14	Steel Piping Practices	4
12202-15	Instrument Drawings and Documents, Part Two	4
12207-16	Control Valves, Actuators, and Positioners	6
12210-15	Instrument Air Filters, Regulators, and Dryers	4
12212-15	Panel-Mounted Instruments	4

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Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
12213-15	Installing Field-Mounted Instruments	4
12301-15	Instrument Fitter's Math	4
12302-15	Layout and Installation of Tubing and Piping Systems	6
12303-15	Clean, Purge, and Test Tubing and Piping Systems	4
12304-14	Inspect, Handle, and Store Instrumentation Materials	4

Total Number of Items **70**