

## Industrial Maintenance Mechanic

### MEIDMT32\_04

*Updated November 2024*

#### Focus Statement

A journey-level Industrial Maintenance Mechanic should be able to: identify basic safety and rigging practices; identify tools, equipment, and best practices for oxyfuel cutting; solve mathematical problems such as area, volume, sine, cosine, hypotenuse, and Pythagorean concepts; interpret construction drawings; identify pumps, drivers, valves and their installation and troubleshooting practices; create pipe fittings, perform cutting, treading and joining of piping components; perform hydrostatic and pneumatic testing; remove, troubleshoot and install bearings and couplings; identify components and functions of high and low pressure steam systems; lay out and install baseplates and soleplates with proper alignment methods; troubleshoot and repair equipment such as gearboxes and pumps.

#### Overview

- Three-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 3rd edition of the Industrial Maintenance Mechanic curriculum. You may order books and modules from Pearson by visiting [www.nccer.org/order-books-modules/](http://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 32102 32104 32204	Industrial Maintenance Mechanic Fundamentals	14
00106 32111 32112	Rigging and Mobile Equipment	9

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#### Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
32106 32201 32301 32302	Math and Measurements	15
32107 32402	Construction Drawings	7
32109 32204 32205 32206 32308	Valves and Seals	16
32207 32303 32304	Bearings and Coupling	12
32108 32305 32307	Pumps, Drives, and Plates	11
32306 32404 32405 32407 32408	Maintenance and Troubleshooting	15
32208 32209 32210 32403	Steam Systems	16

**Total Number of Items**

**115**