

NIMS: Machining Level 1

Measurements, Materials, and Safety

Aligned Program of Study:

- Machining Technology
- Electromechanical technology
- Mechatronics
- Welding

Description

The [National Institute for Metalworking Skills](#) (NIMS) Machining Level 1 certifications measure an individual's skills against the NIMS Standards. There are eleven different Machining Level 1 certifications of which Measurement, Materials, and Safety is the most basic. Earning a NIMS certification normally requires a performance test and a theory test. The Measurements, Materials, and Safety certification requires only the theory exam. The performance requirements and theory tests are drawn directly from the NIMS standards and are written and piloted by industry. The Machining Level 1 certification tests are designed to meet entry-level requirements for on-the-job skills.

The [Measurement, Materials, and Safety](#) certification for NIMS Machining Level 1 certifies an individual's skills as measured against the NIMS Standards. This certification requires only a theory test. The Measurement, Materials, and Safety certification includes the following competencies:

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|---|--------------------------|
| • Applied mathematics | • Machine safety |
| • Filing | • Machining applications |
| • Geometrical dimensioning and tolerancing (GD&T) | • Materials |
| • Inspection | • Measurements |
| • Machine maintenance | • Print reading |
| | • Shop safety |

Certification Information

Test Owner:

National Institute for Metalworking Skills, Inc. (NIMS)

10565 Fairfax Boulevard, Ste. 10

Fairfax, VA 22020

Phone: (703) 352-4971

Fax: (703) 352-4991

Email support@nims-skills.org

Registration Procedures:

Click [here](#) to contact NIMS. Click [here](#) to access information on how to become a testing site, testing fees, and the duties of each party involved.

Preparing to offer the certification

Exam Details:

- Effective July 1, 2019, NIMS will no longer charge registration fees.
- Entry-level (Level 1) tests are \$80 per person. One retake is allowed.
- NIMS no longer offers the 1-year credentialing/unlimited flat rates.
- Programs with very large numbers (over 50 test takers) may subscribe to reduce the price.

Materials and Resources:

There are a variety of training materials and resources found at NIMS's website: <https://www.nims-skills.org/credentialing>.

<https://www.nims-skills.org/web/nims/home>

Vendors with Data Sharing MOU with TDOE

| Vendor | Contact Information |
|---|---|
| National Institute for Metalworking Skills, Inc. (NIMS) | https://www.nims-skills.org/contact-us |