

# NIMS: Machining Level 1

## Measurement, Materials, and Safety

**Aligned Program of Study:** Machining Technology

**Aligned Course:**

- Principles of Manufacturing (5922)

### Description

The NIMS Machining Level 1 certifies an individual's skills as measured against the NIMS Standards. Earning a NIMS certification requires a performance test and a theory test. 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 test is designed to meet entry-level requirements for on-the-job skills including:

- Measurement, Materials & Safety
- Job Planning, Benchwork & Layout
- Manual Milling Skills I
- Turning Operations: Turning Between Centers
- Turning Operations: Turning Chucking Skills
- Grinding Skills I
- Drill Press Skills I
- CNC Turning: Programming Setup & Operations
- CNC Milling: Programming Setup & Operations
- CNC Turning: Operations
- CNC Milling: Operations

### Materials and Resources

There are a variety of training materials and resources found at NIMS's website here:

<https://www.nims-skills.org/web/nims/10>.

### Test Owner and Registration

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](mailto:support@nims-skills.org)

### Registration Procedures/Testing Centers

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

## Fees

- Candidate registration costs \$40 per person and is required only once (per person) because registration is valid for a lifetime
- Level I tests are \$35 each
- Level II and III tests are \$50 each
  - Programs who are seeking NIMS accreditation receive a 20% discount on tests.

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| <b>Exam Codes</b>          | Machining Level 1  |
| <b>Website</b>             | <a href="https://www.nims-skills.org/web/nims/home">https://www.nims-skills.org/web/nims/home</a>  |
| <b>Number of Questions</b> | Maximum of 90 questions for each test  |
| <b>Type of Questions</b>   | Performance-based and Standards-based  |
| <b>Length</b>              | 90 Minutes for theory exam   |
| <b>Passing Score</b>       | The “cut-score” or percentage passing rates vary by test and are set by the Technical Work Groups that establish and pilot NIMS standards and credentialing tests. This information is confidential and not available to the public. |