

The National Institute for Metalworking Skills



Certificate of Completion of the *Core Competency Requirements* for the occupation of

NIMS Certified Machinist

as defined by the *NIMS Expert Panel* and validated by industry representatives across the United States of America, having successfully demonstrated all required *Core Competencies* and completed the corresponding *NIMS Credentials*, this *Certificate of Completion* is awarded to

Robert H. Apprentice

this 31st day of October, 2004.

NIMS CERTIFIED MACHINIST CORE COMPETENCIES

1. Identify and Demonstrate Usage of Machine Safety and Personal Protective Equipment
2. Demonstrate Compliance with Lock-out / Tag-out Procedures and OSHA Requirements and Guidelines
3. Machine Operations and Material Handling, Hazardous Materials Handling and Storage, including EPA, Hazmat, and OSHA
4. Part Inspection
5. Process Control
6. Process Adjustment – Single Part Production
7. Participation in Processes Improvement
8. Manual Operations: Layout
9. Manual Operations: Benchwork
10. Sawing
11. Job Process Planning
12. Drilling Operations
13. Turning Operations: Turning Between Centers
14. Turning Operations: Turning Between Centers
15. Turning Operations: Chucking
16. Turning Operations: Chucking
17. Milling: Square Up a Block
18. Manual Milling: Vertical and Horizontal
19. Manual Milling: Vertical and Horizontal
20. Surface Grinding, Grinding Wheel Safety
21. Surface Grinding, Horizontal Spindle, Reciprocating Table
22. Surface Grinding, Horizontal Spindle, Reciprocating Table
23. CNC Programming - Milling and / or CNC Programming - Turning
24. CNC: Write a Simple CNC Milling and / or CNC Turning Program and Review Tool Path
25. CNC: Operate a CNC Milling Machine and / or Operate a CNC Lathe
26. General Housekeeping & Maintenance
27. Preventative Maintenance - Machine Tools
28. Tooling Maintenance

NIMS CREDENTIALS

- Measurement, Materials, and Safety Level I
- Job Planning, Benchwork, and Layout Level I
- Drill Press Skills Level I
- Turning Between Centers Level I
- Turning Between Centers Level II
- Chucking Level I
- Chucking Level II
- Milling Level I
- Milling Level I
- Milling Level II
- Grinding Level I
- Grinding Level I
- Grinding Level II
- CNC Milling and / or CNC Turning Level I
- CNC Milling and / or CNC Turning Level I
- CNC Milling and / or CNC Turning Level I
- Included in all Machining Credentials
- Included in all Machining Credentials
- Included in all Machining Credentials

REGISTERED APPRENTICESHIP SPONSOR

The Leading Edge Machine Tool Company

Robert H. Highperformer

PRESIDENT

NIMS CREDENTIALING AGENCY

National Institute for Metalworking Skills

Stephen C. Mandes

EXECUTIVE DIRECTOR