

# NIMS COMPETENCY-BASED APPRENTICESHIP SYSTEM

## NIMS CERTIFIED CNC SET-UP PROGRAMMER – MILLING

### CORE COMPETENCY ASSESSMENT FORM

APPRENTICE: \_\_\_\_\_ EMPLOYEE NUMBER: \_\_\_\_\_

SUPERVISOR: \_\_\_\_\_ DEPARTMENT: \_\_\_\_\_

**INSTRUCTIONS:** Check-off each Core Competency as the apprentice demonstrates a level of proficiency that is equivalent to a journeyworker level employee.

#### NIMS CERTIFIED CNC SET-UP PROGRAMMER - MILLING 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.	Perform the Inspection of Parts	
6.	Process Control	
7.	Process Adjustment – Single Part Production	
8.	Participation in Processes Improvement	
9.	Manual Operations: Layout	
10.	Manual Operations: Benchwork	
11.	Sawing	
12.	Job Process Planning	
13.	Drilling Operations	
14.	Milling: Square Up a Block - Level I Machining Skills	
15.	Manual Milling: Vertical and Horizontal - Level I Machining Skills	
16.	Manual Milling: Vertical and Horizontal - Level II Machining Skills	
17.	CNC Programming - Milling - Level I Machining Skills	
18.	CNC: Write a Simple CNC Milling Program and Review Tool Path - Level I Machining Skills	
19.	CNC: Operate a CNC Milling Machine - Level I Machining Skills	
20.	CNC: Operate a CNC Milling Machine or Milling Center - Level II Machining Skills	
21.	CNC: Advanced Manual Programming - Level III Machining Skills	
22.	Use Manufacturing Modeling Software to Create Programs - Level III Machining Skills	
23.	General Housekeeping & Maintenance	
24.	Preventative Maintenance - Machine Tools	
25.	Tooling Maintenance	

**COMMENTS:** \_\_\_\_\_  
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APPRENTICE'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

SUPERVISOR'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_