

NIMS COMPETENCY BASED APPRENTICESHIP SYSTEM
NIMS CERTIFIED CNC SET-UP PROGRAMMER - MILLING AND TURNING
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.

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	
15.	Manual Milling: Vertical and Horizontal - Level I Machining Skills	
16.	CNC Programming - Milling - Level I Machining Skills	
17.	CNC: Write a Simple CNC Milling Program and Review Tool Path - Level I Machining Skills	
18.	CNC: Operate a CNC Milling Machine - Level I Machining Skills	
19.	CNC: Operate a CNC Milling Machine or Milling Center - Level II Machining Skills	
20.	CNC: Advanced Manual Programming - Level III Machining Skills	
21.	Use Manufacturing Modeling Software to Create Programs - Level III Machining Skills	
22.	Turning Operations: Turning Between Centers - Level I Machining Skills	
23.	Turning Operations: Chucking - Level I Machining Skills	
24.	CNC Programming - Turning - Level I Machining Skills	
25.	CNC: Write a Simple CNC Turning Program and Review Tool Path - Level I Machining Skills	
26.	CNC: Operate a CNC Lathe - Level I Machining Skills	
27.	CNC: Operate a CNC Lathe or Turning Center - Level II Machining Skills	
28.	CNC: Advanced Manual Programming - Level III Machining Skills	
29.	Use Manufacturing Modeling Software to Create CNC Turning Programs - Level III Machining Skills	
30.	General Housekeeping & Maintenance	
31.	Preventative Maintenance - Machine Tools	
32.	Tooling Maintenance	

NIMS CERTIFIED CNC SET-UP PROGRAMMER – MILLING AND TURNING CORE COMPETENCIES

COMMENTS:

APPRENTICE'S SIGNATURE: _____ DATE: _____
 SUPERVISOR'S SIGNATURE: _____ DATE: _____