

**NIMS COMPETENCY-BASED APPRENTICESHIP SYSTEM  
NIMS CERTIFIED CNC SET-UP PROGRAMMER – TURNING  
CORE COMPETENCY ASSESSMENT FORM**

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

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

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

**NIMS CERTIFIED CNC SET-UP PROGRAMMER – TURNING 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: Bench work	
11.	Sawing	
12.	Job Process Planning	
13.	Drilling Operations	
14.	Turning Operations: Turning Between Centers	
15.	Turning Operations: Chucking	
16.	CNC Programming – Turning	
17.	CNC: Write a Simple CNC Turning Program and Review Tool Path	
18.	CNC: Operate a CNC Lathe	
19.	CNC: Operate a CNC Lathe	
20.	CNC: Advanced Manual Programming	
21.	Use Manufacturing Modeling Software to Create Programs	
22.	General Housekeeping & Maintenance	
23.	Preventative Maintenance – Machine Tools	
24.	Tooling Maintenance	

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

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