CNC 2-Axis Turning Programmer

Date	March 1, 2024	**Orientation Time**	7:30 a.m. (CLOSED to instructors)
Location	Delaware Area Career Center 4565 Columbus Pike Delaware, OH 43015	**Contest Time**	Immediately following orientation (CLOSED contest)
Scope of Contest	This competition will assess the ability to program CNC turning centers, interpret prints (including GDT), and measure/gauge parts. Competitors also will demonstrate theoretical knowledge of CNC machine configuration, setup, and operations.		
Testing	No		
Eligibility	1 contestant for every 50 paid members enrolled in program		
Clothing	Work Attire: Field specific work clothing required for the work environment or that matches the service conditions for the contest. This may include jeans if they are clean and professional looking and are accepted in the respective field (no holes or overly soiled pants). Work shoes or boots with a hard sole and anti-slip properties (steel toes may be required – refer to **Provided by Contestant** section below). Clothing should be as such that it will not get caught in moving equipment or power tools. School uniforms may be worn if they meet the above requirements with all identifiers covered.		
Provided by Contestant	Professional Resume – typed hardcopy Emergency Medical Form (Contestants must have this to compete) Pen or Pencil Non-programmable calculator (not a machinist calculator) **Provided at site:** Hard copy of Haas CNC Mill and CNC Lathe reference manual to use during contest, plain paper for notes and calculations on contest, computer with Mastercam software. Disqualifications: Cell phone in competition area, smart watches.		
Contest Standards	**Contest Skilled Performance Standards** **CNCT 1.0 -** Apply basic machining skills per industry standards as set forth by the technical committee. **CNCT 2.0 -** Demonstrate knowledge of CNC programming per industry standards as set forth by the technical committee. **CNCT 3.0 -** Perform mathematical calculations as needed for calculating speeds, feeds, program	**Aligned ODEW Manufacturing Career Field Technical Content Standard Outcomes** **Outcome 6.9** Computer Numerical Control (CNC) **Outcome 6.1** Measurement and Interpretation **Outcome 6.2** Layout and Planning **Outcome 6.5** Turning Above Outcomes can be found in the following ODEW courses: 176005 Machining with Industrial Lathes	

	coordinates, angles, radii and tangent points.	176007 Computer Numerical Control Technology with Industrial Mills and Lathes