CNC 2-Axis Turning Programmer

Date	February 1, 2025	Orientation Time	8 a.m. (CLOSED to instructors)
Location	Mid-East CTC - Zanesville 400 Richards Road Zanesville, OH 43701 Room 3016	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	Written Test, Precision Machining, CAD/CAM Programming		
Eligibility	1 contestant for every 50 paid members enrolled in program		
Clothing	Clothing Competition Guide: CLASS D		
Provided by Contestant	Professional Resume – must be typed and physically produced as a hard copy Emergency Medical Form (Contestants must have this to compete) Pen or Pencil Laptop with CAD/CAM Software Non-programmable calculator (not a machinist calculator) Machinist and/or Engineering Reference Material Provided at site: Plain paper for notes and calculations on contest. Disqualifications: Cell phone in competition area, smart watches. **The use of generative Artificial Intelligence (AI) is strictly prohibited and will result in an automatic disqualification of the contestant.**		
Contest Standards	**Contest Skilled Performance Standards**	**Aligned ODEW Manufacturing Career Field Technical Content Standard Outcomes**	
	CNCT 1.0 - Apply basic machining skills per industry standards as set forth by the technical committee.	**Outcome 6.9** Computer Numerical Control (CNC)	
	CNCT 2.0 - Demonstrate knowledge of CNC programming per industry standards as set forth by the technical committee.	**Outcome 6.9** Computer Numerical Control (CNC)	
	CNCT 3.0 - Perform mathematical calculations as needed for calculating speeds, feeds, program coordinates, angles, radii and tangent points.	**Outcome 6.1** Measurement and Interpretation **Outcome 6.2** Layout and Planning **Outcome 6.5** Turning Above Outcomes can be found in the following ODE courses: 176005 Machining with Industrial Lathes	

		176007 Computer Numerical Control Technology with Industrial Mills and Lathes