CNC 3-Axis Milling Programmer

Date	Friday, March 13, 2026	Orientation Time	8:00 a.m. (CLOSED to instructors)
Location	C-TEC of Licking County 150 Price Road Newark. OH	Contest Time	Immediately following orientation (CLOSED contest)
Scope of Contest	This competition will assess the ability to program CNC milling machines, interpret prints (including GDT), and measure/gauge parts. Competitors also will demonstrate theoretical knowledge of CNC machine configuration, setup, and operations. **The use of generative Artificial Intelligence (AI) is strictly prohibited and will result in an automatic disqualification of the contestant.**		
Testing	No		
Eligibility	2 contestants per building IRN (chapter)		
Clothing	Clothing Competition Guide: CLASS D		
Provided by Contestant	• Professional Resume - Typed Hardcopy • Emergency Medical Forms (Contestants must have this to compete) • Contestants should bring their own laptop, but must come with either the 2023, 2024, or 2025 version(s) of Mastercam software or Autodesk Fusion 360 installed and operational. • Safety Glasses • G&M Handbook (Optional) • Machinery Handbook (Optional) • Non-programmable calculator • Blank note paper • Two pencils • Verification of Tool Training and Safety (Contest Specific See forms on SkillsUSA Ohio Web site • **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, WiFi/Internet. Computer if you are unable to bring your own. Please let contest site know if you need a computer.		
Contest Standards	**Contest Skilled Performance Standards** **CNCM 1.0 -** Process Planning: Formulate strategies to mill parts **CNCM 2.0 -** Modeling: Create and/or modify solid models	**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 6.3** Cutting	

	CNCM 3.0 - Toolpath Creation: Create toolpaths to mill parts	Above Outcomes can be found in the following ODEW courses: 176006 Machining with Industrial Milling Machines 176007 Computer Numerical Control Technology with Industrial Mills and Lathes