



CNC Programmer



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| Date | March 13, 2026 | Orientation Time | 8:00 a.m. (CLOSED to instructors) |
| Location | Tri-County Career Center 15676 OH-691 Nelsonville, OH 45764 | Contest Time | Immediately following orientation (CLOSED contest) |
| Scope of Contest | This competition will assess the ability to program CNC milling machines and 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 | 2 contestants per building IRN | | |
| Clothing | Clothing Competition Guide: CLASS D | | |
| Provided by Contestant | <ul style="list-style-type: none">• Professional Resume - Typed Hardcopy• Emergency Medical Forms (Contestants must have this to compete)• Contestants may 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, computer with Mastercam software. <p><u>The following WILL NOT be tolerated and are grounds for disqualification from the competition:</u></p> <ul style="list-style-type: none">• No smart watches, cellphones and/or other electronic devices in the contest area unless specifically stated in this document. These devices cannot be used as a calculator.• No contact with anyone outside of the contest area once the contest begins.• No inappropriate communication between contestants such as verbally degrading another contestant or informing another contestant of the skills/test prior to or during the competition.• No cheating on any portion of the contest.• The use of AI is strictly prohibited and will result in an automatic disqualification of the contestant. | | |

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| Contest Standards | Contest Skilled Performance Standards PMT 1.0 - Process Planning: Formulate strategies to mill and turn parts PMT 2.0 - Modeling: Create and/or modify solid models PMT 3.0 - Toolpath Creation: Create toolpaths to mill and turn parts | 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 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 |
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