



# CNC 2-Axis Turning Programmer



<b>Date</b>	Friday, March 13, 2026	<b>Orientation Time</b>	8:00 a.m. (CLOSED to instructors)
<b>Location</b>	C-TEC of Licking County 150 Price Road Newark, OH	<b>Contest Time</b>	Immediately following orientation (CLOSED contest)
<b>Scope of Contest</b>	<p>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.</p> <p><b>The use of generative Artificial Intelligence (AI) is strictly prohibited and will result in an automatic disqualification of the contestant.</b></p>		
<b>Testing</b>	No		
<b>Eligibility</b>	2 contests per building IRN (chapter)		
<b>Clothing</b>	Clothing Competition Guide: CLASS D		
<b>Provided by Contestant</b>	<ul style="list-style-type: none"><li>• Professional Resume - Typed Hardcopy</li><li>• Emergency Medical Forms (Contestants must have this to compete)</li><li>• 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.</li><li>• Safety Glasses</li><li>• G&amp;M Handbook (Optional)</li><li>• Machinery Handbook (Optional)</li><li>• Non-programmable calculator</li><li>• Blank note paper</li><li>• Two pencils</li><li>• Verification of Tool Training and Safety (Contest Specific See forms on SkillsUSA Ohio Web site)</li><li>• <b>Provided at site:</b> 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.</li><li>• The following WILL NOT be tolerated and are grounds for disqualification from the competition:<ul style="list-style-type: none"><li>• 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.</li><li>• No contact with anyone outside of the contest area once the contest begins.</li><li>• 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.</li><li>• No cheating on any portion of the contest.</li><li>• The use of AI is strictly prohibited and will result in an automatic disqualification of the contestant.</li></ul></li></ul>		

Contest Standards	Contest Skilled Performance Standards	Aligned ODEW Manufacturing Career Field Technical Content Standard Outcomes
	<p><b>CNCT 1.0</b> - Process Planning: Formulate strategies to turn parts</p> <p><b>CNCT 2.0</b> - Modeling: Create and/or modify solid models</p> <p><b>CNCT 3.0</b> - Toolpath Creation: Create toolpaths to turn parts</p>	<p><b>Outcome 6.9</b> Computer Numerical Control (CNC)</p> <p><b>Outcome 6.1</b> Measurement and Interpretation</p> <p><b>Outcome 6.2</b> Layout and Planning</p> <p><b>Outcome 6.5</b> Turning</p> <p>Above Outcomes can be found in the following ODEW courses:            176005 Machining with Industrial Lathes            176007 Computer Numerical Control Technology with Industrial Mills and Lathes</p>