



# Precision Machining - North

**Purpose:** To evaluate each competitor's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of precision machining.

**Registration Deadline for this competition is March 1, 2024.**

<b>On-Site/Off-Site</b>	<ul style="list-style-type: none"><li>Off-Site</li></ul>
<b>Contest Date</b>	<ul style="list-style-type: none"><li>March 15<sup>th</sup>, 2024</li></ul>
<b>Contest Location</b>	<ul style="list-style-type: none"><li>Cuyahoga Valley Career Center</li><li>8001 Brecksville Road, Brecksville, Ohio</li></ul>
<b>Early/Normal Start Time</b>	<ul style="list-style-type: none"><li>Early Start Time</li><li>Lab will open at 7:30 AM. REGISTRATION 8:00 – 8:30 AM. Machine and Lab Familiarization 8:30 – 9:00 AM Contest 9:00 – 2:00 PM</li></ul>
<b>Contest Open/Closed</b>	<ul style="list-style-type: none"><li>Closed</li></ul>
<b>Eligibility</b>	<ul style="list-style-type: none"><li>Schools may send three (3) competitor(s) per school (Building IRN) based on local competition.</li></ul>
<b>Competition Clothing (To be worn on Day 1)</b>	<p>Work/School Attire:</p> <ul style="list-style-type: none"><li>Field specific work clothing required for the work environment or that matches the service conditions for the contest.</li><li>This may include jeans if they are clean and professional looking and are accepted in the respective field (no holes or overly soiled pants).</li><li>Shoes or work boots with a hard sole and anti-slip properties.</li><li>Clothing should be as such that it will not get caught in moving equipment or power tools.</li></ul>

	<ul style="list-style-type: none"> <li>▪ Professional attire worn in the classroom (school uniforms) such as a criminal justice uniform, chef attire, health scrubs, or cosmetology scrubs etc. may be worn if they meet the above requirements.</li> <li>▪ Note: School identifiers and contestant names must be covered.</li> </ul>
<b>Safety Equipment Required</b>	<ul style="list-style-type: none"> <li>▪ Safety glasses with side shields or goggles (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles).</li> </ul>
<b>Awards Ceremony Attire (To be worn on Day 2)</b>	<p>SkillsUSA Official Attire:</p> <ul style="list-style-type: none"> <li>▪ Official SkillsUSA red blazer</li> <li>▪ Button-up, collared, white dress shirt (accompanied by a plain, solid black tie or SkillsUSA black tie), or white shirt (collarless or small-collared), with any collar not to extend into the lapel area of the blazer</li> <li>▪ Black dress slacks or black dress skirt (knee-length at minimum)</li> <li>▪ Black closed-toe dress shoes</li> <li>▪ Note: Wearing socks or hose is no longer required. If worn, socks must be black dress socks, and hose must be either black or skin-tone and seamless/nonpattern</li> </ul> <p>Or,</p> <p>Business Dress:</p> <ul style="list-style-type: none"> <li>▪ Blazer, sports coat, or dress</li> <li>▪ Button-up, collared, white dress shirt (accompanied by a plain, solid black tie or SkillsUSA black tie), or white shirt (collarless or small-collared), with any collar not to extend into the lapel area of the blazer</li> <li>▪ Dress slacks or dress skirt (knee-length at minimum)</li> <li>▪ Closed-toe dress shoes</li> <li>▪ Note: Wearing socks or hose is no longer required. If worn, socks must be black dress socks, and hose must be either black or skin-tone and seamless/nonpattern</li> </ul>
<b>Testing</b>	<ul style="list-style-type: none"> <li>▪ There is no written knowledge test required for this competition.</li> </ul>
<b>Provided by Contestant</b>	

<p><b>(Tool List)</b></p>	<p><b>Students must bring the following items:</b></p> <ul style="list-style-type: none"> <li>▪ Pencil and Paper</li> <li>▪ Safety Glasses</li> <li>▪ Hard Sole Shoes</li> <li>▪ Calculator (student preference) (no cell phone)</li> <li>▪ Work pants or Jeans (no holes, no wind suits, no sweat pants)</li> <li>▪ Work Shirt, (may wear lab coat, smock, or apron) (no identifying names or logos)</li> </ul> <p><b>No Large Tool Boxes Needed and Will Not Be Allowed Near Machines</b></p> <p><b>Students may bring the following items: (not required but may prefer personal measuring tools)</b></p> <ul style="list-style-type: none"> <li>▪ 6 inch caliper</li> <li>▪ micrometer</li> <li>▪ 1-2 micrometer</li> <li>▪ depth micrometer</li> <li>▪ Reference Materials, handbooks</li> </ul> <p><b>CVCC will supply all machine tooling and accessories for machining part to include:</b></p> <ul style="list-style-type: none"> <li>▪ Edge finder</li> <li>▪ Parallels</li> <li>▪ Wrenches and Hex keys</li> <li>▪ Center gage and radius gage</li> <li>▪ Scriber</li> <li>▪ Center drills</li> <li>▪ Drills</li> <li>▪ Endmills (HSS )</li> <li>▪ Counter sinks</li> <li>▪ Hammer and Dead Blow Mallets</li> <li>▪ Facing, Threading, Grooving, and Turning Tools (Carbide Insert Tooling)</li> <li>▪ Cutting fluids and Shop Towels</li> </ul>
<p><b>Contest Notes, Themes, &amp; Deadlines</b></p>	<ul style="list-style-type: none"> <li>▪ <b>Registration Deadline for this competition is March 1, 2024.</b></li> </ul>

<p style="text-align: center;"><b>Special Notes</b></p>	<ul style="list-style-type: none"> <li>▪ Starting in 2024, all State Contests will begin to add a scenario-based component.</li> <li>▪ Contact with Contest Coordinators is prohibited. Contact with Contest Coordinators outside of the SkillsUSA Ohio office may result in contestant disqualification.</li> <li>▪ All safety requirements will be heavily enforced. Violation may result in contestant disqualification.</li> <li>▪ No smart watches and/or phones are permitted during the contest and/or in contest.</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 contest.</li> <li>▪ No cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing.</li> <li>▪ Starting in 2024, Wi-Fi is provided for contests where it is required for contest success.</li> </ul>
<p style="text-align: center;"><b>National Technical Standards</b></p>	<ul style="list-style-type: none"> <li>▪ This is a State Only competition, there is no corresponding National Technical Standard.</li> </ul>
<p style="text-align: center;"><b>Resume/Interview Requirement</b></p>	<ul style="list-style-type: none"> <li>▪ All SkillsUSA Ohio State Championship Contests will require a short interview component. Students should be prepared with basic job interview skills.</li> <li>▪ All contestants must have a hard copy of a one (1) page personal resume.</li> </ul>

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