



## Robotics & Automation Technology

*To evaluate each competitor's preparation for employment in the arena of robotics and automation with emphasis on the team approach to problem-solving in a work environment. To recognize outstanding performance in the use of new work styles and technology by competitors.*

<b>On-Site/Off-Site</b>	<ul style="list-style-type: none"> <li>● On-Site</li> </ul>
<b>Contest Date</b>	<ul style="list-style-type: none"> <li>● 3/18/2025</li> </ul>
<b>Contest Location</b>	<ul style="list-style-type: none"> <li>● Convention Center</li> <li>● C-Hall</li> </ul>
<b>Early/Normal Start Time</b>	<ul style="list-style-type: none"> <li>● Normal Start Time</li> <li>● Registration will open at 8:00am. Please report to B-Hall Show Office for Registration.</li> <li>● Competition will begin at 10:00am.</li> </ul>
<b>Contest Open/Closed</b>	<ul style="list-style-type: none"> <li>● Open</li> <li>● Exhibit Halls do not open to observers until 12:00pm.</li> </ul>
<b>Eligibility &amp; Contest Type</b>	<ul style="list-style-type: none"> <li>● Please refer to the Program Guidelines for eligibility- <a href="https://www.ohioskillsusa.org/resources/">https://www.ohioskillsusa.org/resources/</a></li> <li>● Straight to State Contest (No Regional Qualifier)</li> </ul>
<b>Clothing</b>	<ul style="list-style-type: none"> <li>● <b><u>For Competition Day the Dress Code is:</u></b> Class C or Class D</li> <li>● <b><u>For the Awards Ceremony the Dress Code is:</u></b> Class A or Class J</li> <li>● <a href="#">2025 SkillsUSA Ohio Clothing Guide</a></li> </ul>
<b>Safety Equipment Required</b>	<ul style="list-style-type: none"> <li>● N/A</li> </ul>
<b>Testing</b>	<ul style="list-style-type: none"> <li>● There is no written test required for this competition.</li> </ul>
<b>Provided by Contestant (Tool List)</b>	<ul style="list-style-type: none"> <li>● Industrial Robot (6-Axis) with safety enclosure, area scanner, or light stack and gripper with the ability to open at least ½" (any collaborative robots must use a teach pendant. You may NOT manually move the robot into position</li> </ul>

	<ul style="list-style-type: none"> <li>● Access to a minimum of 6 I/O points (3 In/3 Out)</li> <li>● Air Supply (if required for End-of-Arm-Tooling)</li> <li>● UL Approved Extension Cord (25' minimum)</li> <li>● Small Phillips and Straight Screwdriver</li> <li>● Wire Cutters</li> <li>● Wire Strippers</li> <li>● Pliers</li> <li>● Needle Nose Pliers</li> <li>● Measuring device (tape measure, calipers, ruler, etc.)</li> <li>● 12" Straight Edge</li> <li>● Painters/Masking Tape</li> <li>● Two (2) or more pens/pencils (sharpened)</li> <li>● Laptop (if required to run/operate the contestant's robot)</li> <li>● Safety Glasses</li> <li>● One hard copy of a 1-page typed resume</li> </ul>
<p><b>Contest Notes, Themes, &amp; Deadlines</b></p>	<ul style="list-style-type: none"> <li>● In view of the complexity and length of this contest, it will be necessary to be ready to start the contest on time and it is required that your equipment is set up and checked out before the contest starts.</li> <li>● Your instructor may enter the contest area the morning of the contest, before it starts, for the purpose of setting up your equipment and ensuring its serviceability.</li> <li>● All robots must be either in a safety enclosure, have an area scanner, or have a light stack indicating its run status.</li> <li>● Devices supplied by the technical committee will not be disassembled or opened for any reason unless explicitly directed to do so by the contest officials. Disqualification will result if this is not adhered to.</li> </ul>
<p><b>WIFI Provided?</b></p>	<ul style="list-style-type: none"> <li>● No</li> </ul>
<p><b>Special Notes/Rules for All Contests</b></p>	<ul style="list-style-type: none"> <li>● Started in 2024, all Skilled Trade State Contests (most leadership contests already use scenarios) will begin to add a scenario-based component.</li> <li>● <b><u>Wi-Fi will NOT BE AVAILABLE unless listed above</u></b>. If you need WIFI access please plan to bring a hotspot.</li> <li>● All safety requirements will be heavily enforced. Competitors are to follow all safety standards and OSHA Regulations</li> <li>● <b><i>Contestants MUST HAVE A COPY OF THEIR EMERGENCY MEDICAL FORM IN THEIR NAME BADGE AT ALL TIMES</i></b></li>   <li>● <b><u>THE FOLLOWING ITEMS ARE PROHIBITED; VIOLATION OF ANY OF THE FOLLOWING MAY RESULT IN COMPETITOR DISQUALIFICATION:</u></b></li>   <li>● Contact with Contest Coordinators is prohibited. Contact with Contest Coordinators outside of the SkillsUSA Ohio is strictly prohibited.</li> </ul>

	<ul style="list-style-type: none"> <li>● Possession of smart watches and/or phones during the contest and/or in contest.</li> <li>● Contact with anyone outside of the contest area once the contest begins.</li> <li>● Inappropriate communication between contestants such as verbally degrading another contest.</li> <li>● Cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing.</li> <li>● Lack of Copy Emergency Medical Form in Name Badge.</li> </ul>
<b>National Technical Standards</b>	<ul style="list-style-type: none"> <li>● Please refer to the <b>2024-2026 National Technical Standards</b> for all contests. All standards included may be tested in any competition.</li> <li>● In conjunction with National Standards, lack of understanding of State Level competition standards (this document) may result in student loss of contest.</li> </ul>
<b>Resume/Interview Requirement</b>	<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 <b><u>must have a hard copy</u></b> of a one (1) page personal resume.</li> </ul>