



# Industrial Motor Control



<b>Date</b>	03/04/22	<b>Orientation Time</b>	8:30
<b>Location</b>	The Electrical Trades Center 947 Goodale Blvd. Columbus, Oh, 43212	<b>Contest Time</b>	9:00 – 12:00
<b>Contest Coordinator</b>	Julie Maciejewski	<b>Contact Information</b>	<a href="mailto:julie@etcjadc.org">julie@etcjadc.org</a> 614-463-5282
<b>Purpose</b>	To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of industrial motor controls.		
<b>Testing</b>	Students will demonstrate their knowledge of electrical principles, equipment and industry standards as it relates to the design, installation and troubleshooting of industrial motor control circuits. Written evaluation and hands on skills evaluation.		
<b>Eligibility</b>	1 contestant for every 50 paid members enrolled in program		
<b>Clothing</b>	School lab uniform or industry appropriate clothing, work boots, safety glasses , hard hat		
<b>Provided by Contestant</b>	Professional Resume <b>Tool List:</b> <ul style="list-style-type: none"><li>• 10" pump pliers</li><li>• 12" pump Pliers</li><li>• 12" hacksaw with blade</li><li>• 16 oz. claw hammer</li><li>• Utility knife</li><li>• 9" torpedo level</li><li>• 6" long nose pliers</li><li>• 7" scratch awl</li><li>• 9" side cut pliers</li><li>• 4" flat head screwdriver</li><li>• 4 " phillips head screwdriver</li><li>• 6" flat head screwdriver</li><li>• 1/8" cabinet tip screwdriver</li><li>• 8" diag. cut pliers</li><li>• Tape measure</li><li>• Tool pouch</li><li>• Tool belt</li><li>• T5 wire stripper</li><li>• ½ " EMT bender</li><li>• One VOM meter</li><li>• Battery drill ONLY – No electric drills will be permitted</li><li>• 2017 NEC book</li><li>• #2 pencils</li></ul>		

	<ul style="list-style-type: none"><li>• 4' or 6' fiberglass ladder ONLY</li><li>• Phillips bit for drill</li><li>• No tool boxes larger than 18" long 12" wide 12" tall permitted in the contest area</li></ul>
<b>Contest Skilled Performance Standards</b>	<p><b>MOTR 2.0</b> - Follow OSHA rules and safety regulations to ensure job site and equipment safety.</p> <p><b>MOTR 9.0</b> - Lay out components on mounting boards based upon customer specifications.</p> <p><b>MOTR 10.0</b> - Select and install proper wiring methods, boxes and enclosures.</p> <p><b>MOTR 11.0</b> - Demonstrate the ability to properly install and connect devices and equipment.</p> <p><i>Please review the 2021-2022 SkillsUSA National Tech Standards for detailed information on each skilled performance standard.</i></p>