



# Industrial Motor Control



<b>Date</b>	February 7, 2025	<b>Orientation Time</b>	Registration 8:00 a.m. Orientation 8:30 a.m. (CLOSED to instructors)
<b>Location</b>	Dayton Electrical JATC 6550 Poe Ave. Dayton, Oh 45414	<b>Contest Time</b>	Immediately following orientation (OPEN contest)
<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>	Yes. Contestants are required to complete a written test of questions formulated from the 2017 edition of NEC.		
<b>Eligibility</b>	1 contestant for every 50 paid members enrolled in program		
<b>Clothing</b>	Clothing Classification Guide – CLASS C		
<b>Provided by Contestant</b>	<ul style="list-style-type: none"> <li>• Professional Resume – Typed Hardcopy</li> <li>• Emergency Medical Form (Contestants must have this to compete)</li> <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> <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> <li>• Breaker Lock and Lockout/Tag Out Equipment</li> </ul>		

	<b>Contest Skilled Performance Standards</b>	<b>Aligned ODEW Construction Career Field Technical Content Standard Outcomes</b>
	<p><b>MOTR 2.0</b> - Follow OSHA rules and safety regulations to ensure job site and equipment safety.</p>	<p><b>Outcome 2.1</b> Site Safety</p>
	<p><b>MOTR 9.0</b> - Lay out components on mounting boards based upon customer specifications.</p>	<p><b>Outcome 4.2</b> Circuits</p>
	<p><b>MOTR 10.0</b> - Select and install proper wiring methods, boxes and enclosures.</p>	<p><b>Outcome 4.4</b> Electrical Wiring</p>
	<p><b>MOTR 11.0</b> - Demonstrate the ability to properly install and connect devices and equipment.</p>	<p><b>Outcome 4.4</b> Electrical Wiring</p>
		<p>Above Outcomes can be found in the following ODEW course(s):  178007 Construction Electrical Systems  178009 Commercial and Industrial Construction Electrical Systems</p>