



Industrial Motor Control



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| Date | January 24, 2025 | Orientation Time | Registration 8:00 a.m. Orientation 8:30 a.m. (CLOSED to instructors) |
| Location | Youngstown Aera Electrical JATC 350 E Western Reserve Rd. Youngstown, Ohio 44514 | Contest Time | Immediately following orientation (OPEN contest) |
| Purpose | To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of industrial motor controls. | | |
| Testing | Yes. Contestants are required to complete a written test of questions formulated from the 2017 edition of NEC. | | |
| Eligibility | 1 contestant for every 50 paid members enrolled in program | | |
| Clothing | Clothing Classification Guide – CLASS C | | |
| Provided by Contestant | <ul style="list-style-type: none"> • Professional Resume – Typed Hardcopy • Emergency Medical Form (Contestants must have this to compete) • 10" pump pliers • 12" pump Pliers • 12" hacksaw with blade • 16 oz. claw hammer • Utility knife • 9" torpedo level • 6" long nose pliers • 7" scratch awl • 9" side cut pliers • 4" flat head screwdriver • 4" phillips head screwdriver • 6" flat head screwdriver • 1/8" cabinet tip screwdriver • 8" diag. cut pliers • Tape measure • Tool pouch • Tool belt • T5 wire stripper • ½" EMT bender • One VOM meter • Battery drill ONLY – No electric drills will be permitted • 2017 NEC book • #2 pencils • 4' or 6' fiberglass ladder ONLY • Phillips bit for drill • No tool boxes larger than 18" long, 12" wide, 12" tall permitted in the contest area • Breaker Lock and Lockout/Tag Out Equipment | | |
| | Contest Skilled Performance Standards | Aligned ODEW Construction Career Field Technical Content Standard Outcomes | |

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| | <p>MOTR 2.0 - Follow OSHA rules and safety regulations to ensure job site and equipment safety.</p> <p>MOTR 9.0 - Lay out components on mounting boards based upon customer specifications.</p> <p>MOTR 10.0 - Select and install proper wiring methods, boxes and enclosures.</p> <p>MOTR 11.0 - Demonstrate the ability to properly install and connect devices and equipment.</p> | <p>Outcome 2.1 Site Safety</p> <p>Outcome 4.2 Circuits</p> <p>Outcome 4.4 Electrical Wiring</p> <p>Outcome 4.4 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> |
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