

**Eastern WV Community & Technical College
Master Course Record**

Course Prefix and Number: WTT 150
Course Title: Industrial Motor Controls
Recommended Transcript Title: Industrial Motor Controls
Date Approved/Revised: 7/20/10; 11/18/13; 7/14/14; 12/15/14; 9/21/15; 11/6/17
Credit Hours: 4 Contact hours per week (Based on 15 week term): Lecture: 3 Lab: 3
Prerequisite: None Corequisite: None Pre/Corequisite: None
Grading Mode: Letter Grade
Catalog Description: This course provides students with practical wiring exercises involving installation, wiring, and troubleshooting of electrical devices and equipment used in, but not specific to, wind turbine control systems. Students will study electrical diagrams, design of electrical system and electrical safety.
Course Outcomes: <ol style="list-style-type: none"> 1. Understand Industrial motors 2. Understand transformer technology 3. Explain industrial motor controls 4. Demonstrate schematic diagram usage 5. Demonstrate proficiency in wiring industrial motor control circuitry
Implementation Cycle: Spring
Role in College Curriculum: (Check all that apply) <input type="checkbox"/> General Education Core (Specify category) <input checked="" type="checkbox"/> Technical Core: WTT and ELM <input type="checkbox"/> Restricted Elective (Specify Program) <input type="checkbox"/> General Elective <input type="checkbox"/> Workforce Education(Please specify) <input type="checkbox"/> Other (Please specify)
Course Fee: Yes
Instructor's Qualifications: Bachelor's Degree in engineering or related technical field or industry recognized credentials and experience.
Expanded Course Description: This class will provide students with practical wiring exercises. Students will wire circuits and design control schematics. Troubleshooting of large intricate systems will be a major focus. Electrical information learned in this class will be applicable in any industry. A second focus will be to understand turbine control and operations systems. Use of metering and electrical system analyzers will be put into practice. Students will also have the knowledge to obtain PMMI (The Association for Packaging and Processing Technologies) certificates of completion and be registered in the PMMI National Database.

Prepared by: W. Malcolm, Dean of Career/Technical Studies 7/20/10; 11/18/13; 07/14/14; 12/05/14

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Date Course Approved by Curriculum Committee: 11/6/17

Date Course Approved by LOT: 07/20/10; 11/18/13; 07/14/14; 12/15/14; 09/21/15; 11/20/17

Skip Landes, Faculty, 05/25/15

Eric Putze, Advanced Technology/Wind Energy Faculty, 11/6/17

Approved by:

Robert Eagle 7-20-10 (SB-G); 11/18/13; 07-14-14; 09/21/15

Dean, Academic Services

Date

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