

Assessment: Course Four Column

Courses (CTE) - Electrical Systems Technology

ELM 127: Intro to AC Controls

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Motor controls, how to draw and illustrate them, while always bearing on safety - Made students aware of the importance of understanding motor controls, how to draw and illustrate them, while always bearing on safety</p> <p>Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Assignment - Lab - Methods used to make students aware of motor controls included various power points, construction of wiring and ladder diagrams, simulation of their drawing and actual hands-on-wiring in the motor cubicles of their drawing. Automation Studios was also used to assist new students with creating working drawings.</p> <p>Criterion: Students were graded on drawing neatness, completeness, and performance of their projects.</p>	<p>Reporting Period: 2017-2018 Criterion Met: N/A</p> <p>Students came to understand the importance of a thorough knowledge of motor controls work, their importance, use of lock-out – tagout, use of disconnects (11/15/2018)</p>	
<p>Electrical Arc Flash - For many students, this was their first exposure to Electrical Arc Flash and the requirements associated with that subject in terms of PPE, required signage as per NFPA 70E, categories or levels of protection, proper markings to insure clothing is genuine.</p> <p>Course Outcome Status: Active Next Assessment: 2022-2023</p>	<p>Assignment - Lab - Power point presentations showing electrical fatalities from Arc Flash, problems with clothing worn that is not Arc Flash Rated, explanation of PPE equipment that is not outdated and properly tested.</p> <p>Criterion: Hands on every day use by the students of safety glasses, long sleeve Arc Flash rated clothing, gloves, lockout – tag-out procedures</p>	<p>Reporting Period: 2017-2018 Criterion Met: Yes</p> <p>Students became aware of the dangers associated with this particular subject and gained a new respect and understanding for the potential of fatal results from not following established, proven Arc Flash Methods. (11/15/2018)</p>	