

# Assessment: Program Four Column



## Acad Program - Industrial Electrician Program (TD)

<i>Program Learning Outcomes</i>	<i>Assessment Methods</i>	<i>Assessment Results</i>	<i>Action Taken (Use of Results)</i>
<p><b>1. Circuit Theory</b> - Interpret voltage, current and resistance characteristics as they relate to circuit operation.  <b>Outcome Status:</b> Active/Ongoing  <b>Assessment Year:</b> 2017 - 2018</p>	<p><b>Result Directly Related to Outcome:</b>                      Recorded from Fundamentals of Electricity/Electronics.</p>	<p><b>Reporting Period:</b> 2017 - 2018 EoY  <b>Result Type:</b> Criterion Met  <b>Analysis:</b> 80% of students successfully completed the learning outcome.</p>	<p><b>Action Taken (Use of Results):</b>                      The goal for the circuit theory learning outcome is on target and will continue to be evaluated for 2018-19.</p>
<p><b>2. Electrical Equipment</b> - Use proper electrical test equipment.  <b>Outcome Status:</b> Active/Ongoing</p>	<p><b>Result Directly Related to Outcome:</b>                      Residential wiring assessment test.</p>	<p><b>Reporting Period:</b> 2017 - 2018 EoY  <b>Result Type:</b> Criterion Met  <b>Analysis:</b> 86% of students successfully completed the learning outcome.</p>	<p><b>Action Taken (Use of Results):</b>                      The goal for learning outcomes associated with electrical equipment will be increased from 80% to 85% passing for 2018-19.</p>
<p><b>3. Schematic Interpretation</b> -Interpret electrical drawings.  <b>Outcome Status:</b> Active/Ongoing</p>	<p><b>Result Directly Related to Outcome:</b>                      Blueprint Interpretation electrical drawing exam.</p>	<p><b>Reporting Period:</b> 2017 - 2018 EoY  <b>Result Type:</b> Criterion Met  <b>Analysis:</b> 83% of students successfully completed the learning outcome.</p>	<p><b>Action Taken (Use of Results):</b>                      The goal for the schematic interpretation learning outcomes is on target and will continue to be evaluated for 2018-19.</p>
<p><b>4. Motor Troubleshooting</b> - Troubleshoot conventional and specialized motors and their feedback systems.  <b>Outcome Status:</b> Active/Ongoing</p>	<p><b>Result Directly Related to Outcome:</b>                      Advanced Motor Control exam.</p>	<p><b>Reporting Period:</b> 2017 - 2018 EoY  <b>Result Type:</b> Criterion Met  <b>Analysis:</b> 92% of students successfully completed the learning outcome.</p>	<p><b>Action Taken (Use of Results):</b>                      The goal for the motor troubleshooting learning outcome will be increased from 80% to 85% passing for 2018-19.</p>

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<p><b>5. Industrial Sensors</b> - Select, install and troubleshoot industrial electrical sensors and devices.  <b>Outcome Status:</b> Active/Ongoing  <b>Assessment Year:</b> 2017 - 2018</p>	<p><b>Result Directly Related to Outcome:</b>            Advanced Motor Control assessments.</p>	<p><b>Reporting Period:</b> 2017 - 2018 EoY  <b>Result Type:</b> Criterion Met  <b>Analysis:</b> 96% of students successfully completed the learning outcome.</p>	<p><b>Action Taken (Use of Results):</b>            The goal for learning outcomes associated with industrial sensors will be increased from 80% to 85% passing for 2018-19.</p>
<p><b>6. Equipment Usage</b> - Install, and troubleshoot a PLC and computer communications network.  <b>Outcome Status:</b> Active/Ongoing</p>	<p><b>Result Directly Related to Outcome:</b>            Introduction to PLCs Programming &amp; Troubleshooting lab assessments.</p>	<p><b>Reporting Period:</b> 2017 - 2018 EoY  <b>Result Type:</b> Criterion Met  <b>Analysis:</b> 89% of students successfully completed the learning outcome.</p>	<p><b>Action Taken (Use of Results):</b>            The goal for learning outcomes associated with equipment usage will be increased from 80% to 85% passing for 2018-19.</p>
<p><b>7. Diagram Interpretation</b> - Understand residential, commercial, and industrial diagrams, as well as motor control, and instrumentation piping diagrams.  <b>Outcome Status:</b> Active/Ongoing</p>	<p><b>Result Directly Related to Outcome:</b>            Blueprint Interpretation assessment.</p>	<p><b>Reporting Period:</b> 2017 - 2018 EoY  <b>Result Type:</b> Criterion Met  <b>Analysis:</b> 89% of students successfully completed the learning outcome.</p>	<p><b>Action Taken (Use of Results):</b>            The goal for learning outcomes associated with diagram interpretation will be increased from 80% to 85% passing for 2018-19.</p>
<p><b>8. Safety</b> - Demonstrate knowledge of safety procedures, hazards, housekeeping, and appropriate cautions in the electrical industry.  <b>Outcome Status:</b> Active/Ongoing</p>	<p><b>Result Directly Related to Outcome:</b>            Residential Wiring Safety assessment.</p>	<p><b>Reporting Period:</b> 2017 - 2018 EoY  <b>Result Type:</b> Criterion Met  <b>Analysis:</b> 96% of students successfully completed the learning outcome.</p>	<p><b>Action Taken (Use of Results):</b>            The goal for learning outcomes associated with safety will be increased from 80% to 85% passing for 2018-19.</p>