

Industrial Instrumentation PLOs 2018-2019



Acad Program - Industrial Instrumentation (AAS)

Mission: The mission of the Industrial Instrumentation Technology program is to provide classroom instruction and practical laboratory experience leading to the successful completion of the Associate of Applied Science in Industrial Instrumentation Technology, preparing individuals to maintain and repair control systems and components in the industrial manufacturing field.

<i>Program Learning Outcomes</i>	<i>Assessment Methods</i>	<i>Assessment Results</i>	<i>Action Taken (Use of Results)</i>
<p>1. Instrument Drawings - Read and interpret instrument drawings while understanding control logic and fundamental electrical circuit theory. Outcome Status: Active/Ongoing Assessment Year: 2017 - 2018</p>	<p>Demonstration - Introduction to PLCs initial lab exercises recorded from Electricity/Electronics.</p>	<p>Reporting Period: 2018 - 2019 BoY Result Type: On Track pending (05/09/2017) Analysis: pending</p>	<p>Action Taken (Use of Results): pending (10/16/2018)</p>
<p>2. Troubleshooting and Calibration Skills - Perform basic troubleshooting and calibration skills necessary for entry level instrumentation positions along with demonstrating understanding of safety hazards and procedures associated with industrial process control. Outcome Status: Active/Ongoing Assessment Year: 2017 - 2018</p>	<p>Demonstration - Safety tests and PLC Troubleshooting Calibration Labs (Intro & Advanced).</p>	<p>Reporting Period: 2018 - 2019 BoY Result Type: On Track pending (10/16/2018) Analysis: pending</p>	<p>Action Taken (Use of Results): pending (10/16/2018)</p>
<p>3. Identify Industrial Equipment - Identify typical industrial equipment and interface sensors with automatic controls. Outcome Status: Active/Ongoing Assessment Year: 2017 - 2018</p>	<p>Demonstration - Pressure and Level Measurement average as well as Industrial Control Systems Loop Check Lab averages.</p>	<p>Reporting Period: 2018 - 2019 BoY Result Type: On Track pending (10/16/2018) Analysis: pending</p>	<p>Action Taken (Use of Results): pending (10/16/2018)</p>
<p>4. Professionalism - Demonstrate punctuality and responsibility suitable</p>	<p>Demonstration - Introduction to PLCs Communication/ Speech</p>	<p>Reporting Period: 2018 - 2019 BoY Result Type: On Track</p>	<p>Action Taken (Use of Results): pending (10/22/2018)</p>

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<p>to work place employment while communicating technical issues to peers both orally and in writing. Outcome Status: Active/Ongoing Assessment Year: 2017 - 2018</p>	<p>component average. Average of students prepared for labs with proper PPE & tools (ICS and Temperature & Analytical labs).</p>	<p>pending (10/16/2018) Analysis: pending</p>	