

Industrial Instrumentation PLOs 2017-2018



Acad Program - Industrial Instrumentation (AAS)

<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>Result Directly Related to Outcome: Introduction to PLCs initial lab exercises recorded from Electricity/ Electronics.</p>	<p>Reporting Period: 2017 - 2018 EoY Result Type: Criterion Met</p> <p>Analysis: 84% of students successfully completed the learning outcome.</p>	<p>Action Taken (Use of Results): The goal for instrument drawing learning outcome is on target and will continue to be evaluated for 2018-19.</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</p>	<p>Result Directly Related to Outcome: Safety tests and PLC Troubleshooting Calibration Labs (Intro & Advanced).</p>	<p>Reporting Period: 2017 - 2018 EoY Result Type: Criterion Met</p> <p>Analysis: 85% of students successfully completed the learning outcome.</p>	<p>Action Taken (Use of Results): The goal for troubleshooting and calibration learning outcomes is on target and will continue to be evaluated for 2018-19.</p>
<p>3. Identify Industrial Equipment - Identify typical industrial equipment and interface sensors with automatic controls. Outcome Status: Active/Ongoing</p>	<p>Result Directly Related to Outcome: Pressure and Level Measurement average as well as Industrial Control Systems Loop Check Lab averages.</p>	<p>Reporting Period: 2017 - 2018 EoY Result Type: Criterion Met</p> <p>Analysis: 91% of students successfully completed the learning outcome.</p>	<p>Action Taken (Use of Results): The goal for industrial equipment learning outcomes is on target and will continue to be evaluated for 2018-19.</p>
<p>4. Work Ethics - Demonstrate punctuality and responsibility suitable to work place employment while communicating technical issues to peers both orally and in writing. Outcome Status: Active/Ongoing</p>	<p>Result Directly Related to Outcome: Introduction to PLCs Communication/ Speech component average. Average of students prepared for labs with proper PPE & tools (ICS and Temperature & Analytical labs).</p>	<p>Reporting Period: 2017 - 2018 EoY Result Type: Criterion Met</p> <p>Analysis: 90% of students successfully completed the learning outcome.</p>	<p>Action Taken (Use of Results): The goal for work ethic learning outcomes is on target and will continue to be evaluated for 2018-19.</p>