

INDUSTRIAL INSTRUMENTATION TECHNOLOGY

Program Outcomes Assessment

Semester and Year: Fall 2019 – Spring 2020

Certificate Degree Diploma

Dean: Richard Louviere

Measurable Outcome(s)	Assessment Activity/Tool	Results	Use of Results	Estimated Cost(s)
Read and interpret instrument drawings while understanding control logic and fundamental electrical circuit theory.	Introduction to PLCs initial lab pass rating and averages recorded from Electricity/Electronics.	90% of students who completed the course were able to read/interpret drawings and knowledge of control logic and circuit theory.	Acceptable results. Monitoring will continue.	
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.	Safety tests and PLCs Troubleshooting Calibration Lab averages (<i>Intro & Advanced</i>).	Data indicates 100% of the students who completed the course were successful in troubleshooting and calibrating while meeting safety standards.	Acceptable results. Monitoring will continue.	
Identify typical industrial equipment and interface sensors with automatic controls.	Pressure and Level Measurement average as well as Industrial Control Systems Loop Check Lab averages.	100% of students who successfully completed the course were able to identify the specific equipment.	Acceptable results. Monitoring will continue.	

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Demonstrate punctuality and responsibility suitable to work place employment while communicating technical issues to peers both orally and in writing.	Introduction to PLCs Communication/Speech component average. Average of students prepared for labs with proper PPE & tools (<i>ICS and Temperature & Analytical labs</i>).	96% of students were successful in their demonstration of work ethic and communication to peers.	Acceptable results. Monitoring will continue.	