Program Student Learning Outcomes

Graduates of the UAA industrial process instrumentation program will have the ability to:

• Read P & ID drawings and interpret instrument symbols.
• Describe the output from a pneumatic or electronic transmitter for a given process input condition.
• Describe the effect of changes in gain or integral time on the dynamic behavior of closed-loop control.
• Describe the techniques for troubleshooting an orifice meter and flow control loop using either electronic or pneumatic equipment.
• Identify the voltage drops in a series connected current loop or a parallel connected voltage loop.
• Distinguish between data transmitted by analog signals and data transmitted by digital signals.