

INT 207: Industrial Automatic Controls

This course focuses on the function of automatic controllers in different modes: on-off, proportional, reset, derivative, ratio, and cascade. Topics include operation of pneumatic, electronic, and computer process control equipment; service of basic process equipment and instrumentation; correct operation and maintenance of valves and pumps; recognizing patterns from data; developing and interpreting control charts; determining control limits; and performing root cause analysis. Upon completion, students should be able to write start-up and shut-down procedures, and operate, monitor, and control continuous and batch model plants.

Credits: 3

Lab Hours: 0

Lecture Hours: 3

Program: Industrial Maintenance Technology