

# ILT 102: Industrial Automation

This course emphasizes automated control systems. Topics include robotics, programmable logic controllers, variable-speed drives, sensors, hydraulic and pneumatic and related control circuitry with emphasis on troubleshooting the total system. Hands on laboratory exercises are provided to program and troubleshoot robotics, programmable logic controllers, variable-speed drives, human machine interface, hydraulic and pneumatic, and sensors on an automation system. Upon completion, students should be able to apply principles of automated control systems.

**Credits:** 3

**Transfer Code:** Code C

**Lab Hours:** 4

**Lecture Hours:** 1

**Prerequisites:**

As required by program

**Program:** Industrial Electronic Technology

**Semester Offered:**

Fall

Spring

Summer