PROGRAMMABLE LOGIC CONTROLLERS

COS
TRAINING RESOURCE CENTER

This course will focus on the basics and troubleshooting of Programmable Logic Controllers. The emphasis will be in understanding how the input/output devices are interfaced to the PLC and how to view and make small changes to the timers, counters, and register values, but not in making core changes to the program logic. By the use of short lectures and video presentations we will put the hard wired equipment in a relationship with the software the student often finds difficult to trouble shoot. We will give the students problems that will require both electrical & software skills to solve. We expect the student taking this course to have a basic knowledge of ladder logic and a practical knowledge of basic electrical theory

This class is interactive as well as discussion orientated. It is designed to be fully customizable to your employee training needs and we are able to conduct this training at your site or ours.

Brief Class Outline

- Review of basic electricity and motor control
- PLC's architecture
- PLC's hardware
- Establishing communications with a PLC
- Logic control diagrams
- Output devices
- Input devices
- Develop a sample program for MicroLogix PLC
- Practical trouble shooting
- Practical PLC + trouble shooting Level Two
- Practical PLC trouble shooting Level Three
- Practical PLC trouble shooting (Team Level)

Contact Us

Phone: 559.688.3130

Email: trainingcenter@cos.edu

Website: www.cos.edu/ trainingcenter