Course Overview

Course number: TPS-5726
Course length: 3 days

This course provides control troubleshooting skills mainly for process control operators. It uses a systematic approach to troubleshooting from an operator's viewpoint, using specially designed process control simulators. It covers how pressure, level, flow, and temperature loops operate to maintain good process control systems. Knowledge of instrumentation and control is assumed.

Course Benefits

Better plant operations through quicker recognition and resolution of abnormal control system situations.

Course Delivery Options

• In-Center Instructor-Led Training
• On-Site Instructor-Led Training

Who Should Take This Course?

• Plant Operations Personnel
• Plant Maintenance Personnel

Prerequisite/Skill Requirements

Prerequisite Course(s)

• None

Required Skills and/or Experience

• None

Desirable Skills and/or Experience

• Knowledge of instrumentation and control

Course Topics

You will learn ….

• Introduction
  • Purpose of Troubleshooting
  • Reasons for Troubleshooting
  • The Bottom Line
• Approaches to Troubleshooting
  • Equipment History
  • Input/Output (Serial)
  • Shotgun Approach
  • Logical Analysis
• Logical Analysis Troubleshooting
  • Verify
  • Identify
  • Follow-up on Problems
• Single-loop Feedback Control Troubleshooting
• Multi-loop Control Systems Troubleshooting
  • Cascade
  • Three-element Control
  • Troubleshooting Simulation
• Distributed Control Functions for Troubleshooting
  • Elements
  • Displays (Graphics, Trend, Alarm)
• Start-up Concerns
• Safety
• Documentation

Additional Training

To increase your knowledge and skills, there are additional courses available from Automation College.

For more information and registration, visit www.honeywellprocess.com/en-US/training.