

# Fail Safe Controller: Fundamentals - Maintenance



## Course Overview

**Course number: FSC-4505**

**Course length: 4 days**

This course provides the ability to support the Fail Safe Controller® (FSC) system with first-call maintenance.

## Course Benefits

### Operate and maintain a Fail Safe Controller

- Increases the understanding of Fail Safe controller® (FSC) and FSC in general
- Focus on practical plant situations
- Decreases external service requests due to improved capabilities of first-call maintenance
- Increases plant availability due to improved troubleshooting capabilities

## Course Delivery Options

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

## Who Should Take this Course?

- Maintenance personnel who support the FSC System with first-call maintenance

## Prerequisite/Skill Requirements

### Prerequisite Course(s)

- None

### Required Skills and/or Experience

- None

### Desirable Skills and/or Experience

- Knowledge of process control, instrumentation, and a general electrical background

- Background experience in primary and final control elements and their function is helpful, along with any previous PLC Implementation, Configuration, and Installation and maintenance experience
- If the FSC is used in a Experion - PKS environment, knowledge of the Experion server, operator station, and FTE status detail displays is required
- If the FSC is used in a TPS environment, knowledge of the LCN and UCN status and detail displays is required
- Working knowledge of PC Windows interface (logging on, desktop operation, navigation, starting programs, file operations)

## Course Topics

### The following topics are covered

- Overall FSC philosophy
- FSC configuration and structure
- FSC hardware
- Working with the functional logic diagram
- Programming and installing the FSC system
- Working with the FSC on-line package
- Diagnostics
- Loading applications / on-line modifications
- Working with the FSC and data exchange via FTE with Experion - PKS, including diagnostics
- Working with the FSC and Safety Manager Module (SMM) data exchanges, and TPS100
- (SMM) diagnostics

## 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](http://www.honeywellprocess.com/en-US/training).**