

# Experion<sup>®</sup> Process Knowledge System (PKS) Controller Fieldbus Configuration



## Course Overview

Course number: EXP24R310

Course length: 4 days

### Need to plan and implement your Experion PKS Fieldbus on a C200/C300 Controller?

This course provides participants the ability to perform the following tasks:

- Build control strategies in the Control Execution Environment that can be applied to the Fieldbus Interface Module and the C200/C300
- Configure, build and load control strategies to a Fieldbus network and Fieldbus devices
- This includes configuring and loading a C200/C300 controller with FIM modules

Participants will build and configure a C200/C300 controller with a Fieldbus Interface Module. Lab exercises will also include building Fieldbus points as well as cascaded C200/C300 to Fieldbus points.

Maintaining the Fieldbus Network will include replacement of like and dislike devices as well as trouble shooting techniques of the Fieldbus network.

## Course Benefits

### Efficient planning, implementation, and maintaining of your Experion PKS C200 and C300 Controller with Fieldbus Devices

- Conceptual understanding of how to configure Fieldbus devices and points on a C200/C300 controller
- Design and configure Fieldbus control strategies
- Maintaining a Fieldbus network

## Course Delivery Options

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

## Who Should Take This Course?

### Experion PKS System Implementers

Experion PKS C200/C300 Engineering and configuration tasks can impact the following job roles. Other job roles performing these tasks could also participate.

- **System or Application Engineer** responsible for configuring Fieldbus on the C200/C300 controller, adding to or changing Fieldbus on C200/C300 controller
- **Maintenance Engineer or Technician** responsible for adding new Fieldbus control loops or troubleshooting existing loops

## Prerequisite/Skill Requirements

### Prerequisite Course(s)

- Completion of EXP2001R310 or EXP20R300 course or previous completion of EXP04R201 course

### Required Skills and/or Experience

- C200/C300 experience
- Plant experience in design, engineering, or maintenance of Field systems

If job responsibility includes only C200/C300 controller:

- Be able to navigate the Experion PKS station
- Call up point detail, group, and/or custom displays bus systems

*Note: The Experion-related prerequisites can be obtained by taking the EXP02R310 course*

### Desirable Skills and/or Experience

- Plant, process, and controls knowledge
- Experience configuring DCS Controller

## Course Topics

### You will learn how to...

- Plan Fieldbus on the C200/C300 Controller
- Configure Fieldbus on the C200/C300 Controller including:
  - Hardware
  - Control Modules, which incorporate analog and digital control strategies
  - Maintaining Fieldbus network by changing our of devices
- Configure additional I/O functionality for Honeywell Process Manager I/O applicable to both the C200 and C300 controllers
- Perform Database Search operations
  - Parameter search
  - Where Used search

## Additional Training

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

**For viewing the schedule, please visit**

**[www.honeywell.com/tms](http://www.honeywell.com/tms) or call +32 (0)2 728 2589.**