

# Experion PKS: Fundamentals – Controller Operation



## Course Overview

**Course number:** EXP-01

**Course length:** 3 days

From this Experion® Process Knowledge Solutions (PKS) Station-based course you will learn the operation of the Experion PKS System consisting of the Experion PKS Server, the Fault Tolerant Ethernet and C200/C300 controllers. Standard Experion PKS Station displays and HMIWeb graphic displays for Experion PKS are used to control and monitor both analog and digital process points and to monitor process alarms.

## Course Benefits

### Efficient operation of your Experion PKS System

- Operate with confidence
- Transition smoothly to a new control system
- Use the standard control displays effectively
- Use Experion PKS's HMIWeb graphic displays to control and monitor the process
- Interpret process trend displays for better control
- Understand the process and system alarm indications for quicker response to process and system upsets

## Course Delivery Options

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

## Who Should Take This Course?

### Experion PKS Station Operators:

- Requiring basic PC and Server based Distributed Control System (DCS) training
- Needing to understand the differences between TPN (US and GUS stations) and the Experion PKS Station operating environments
- Needing to operate EPKS systems with C200/C300 Controllers
- Needing refresher training on operating the Experion PKS Station

## Prerequisite/Skill Requirements

### Prerequisite Course(s)

- None

### Required Skills and/or Experience

- None

### Desirable Skills and/or Experience

- Working knowledge of your process
- Basic Windows Server 2016 Standard and Windows 10 Enterprise skills (Power up, Logon, Start a Program from the START Menu, Drag a window, Minimize and maximize a window, Close a window, Log off, and Shut down)

## Course Topics

### You will learn how to . . .

- Log on and off the Experion PKS Station, including Station and Operator based logon
- Use Windows navigation tools
- Manage Windows using the SafeView control environment
- Use Tabbed display functionality with SafeView environment
- Identify Advance Parameter Security
- Use standard operating displays including the Experion PKS Faceplates, Group displays, and Point Detail displays
- Use Point Detail display and faceplates to make process changes
- Identify control conventions (automatic, manual, cascade, PV tracking, and program)
- Navigate through standard operating displays
- Identify color conventions
- Use Alarm displays and HMIWeb displays to identify and respond to abnormal conditions
- Identify Alarm Help Integration
- Use the Dynamic Alarm Suppression to reduce the alarm flood and increase the operators efficiency
- Use Alarm Tracker to establish situational awareness
- Use the Enterprise Model concepts to manage plant Assets

**Course Topics Continued...**

- Use Procedural Operations – Interactive Instructions to combine manual operations with automatic operations in a consistent manner
- Identify and use tools available on the Experion PKS system to analyze process upsets. Use Trends and Group Trend displays
- Use the many Reporting and Event retrieval tools to customize reports and displays
- Access the built in online Help documents

**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).