Honeywell Academy

HONEYWELL AUTOMATION CERTIFIED ASSOCIATE: EXPERION PKS

PROGRAM OVERVIEW

Course Number: HACA-EXP
Course Duration: 4.5 Days (Approximately 36 Hours)

Prerequisite Course (s): None

This course will give you a complete understanding of Honeywell systems network hierarchy and the various components that are present on each layer of the network, along with multiple business/process applications, as well as system performance capabilities. You will also learn about the integration and migration capabilities of Experion PKS.

Furthermore, you will gain an insight into the Experion PKS System's operations, which includes the Experion PKS Server, Fault Tolerant Ethernet network, and C300 controllers. You will learn how to use the standard Experion PKS Station displays and HMIWeb graphic displays to manage and monitor both analog and digital process points, along with process alarms.

PROGRAM DELIVERY OPTIONS

- Asynchronous Training (AT)
  - ➢ Self-paced with 30 days to complete
- Instructor-Led Training (ILT)
- Virtual Instructor-Led Training (VILT)

CERTIFICATION EXAM

- Exam must be taken within 60 days of enrollment

PROGRAM OBJECTIVES

- Introduction to Industrial Process Automation.
- Identify Experion PKS System Architecture and its components
- Recognize the role of the major hardware and software
- components and learn how data flows through the Experion Server
- Introduction to basic Networking concepts
- Introduction to Industrial Cybersecurity
- Introduction to Industrial Protocols (Modbus, OPC, etc.)
- Introduction to virtualization technology
- Identify other features and solutions from Honeywell (TPS, Safety Manager, Unisim, Uniformance PHD, IIOT 4.0, etc.)
- Introduction to C300 Controllers and Series C hardware
- Identify Power and Grounding requirements for Honeywell Experion PKS Systems
- Introduction to Experion PKS Station navigation
- Use standard operating displays including the Experion PKS Faceplates, Group displays, etc.
- Identify Process Control conventions (automatic, manual, cascade, etc.)
- Analyze process upsets by identifying and responding abnormal conditions
- Use Reporting and Event retrieval tools to customize reports and displays

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