TDC: Fundamentals - (US) UCN/HPM Points and CL Implementation

Course Overview
Course number: TDC-3757HPM
Course length: 9-10 days

This Universal Station (US)-based course provides a hands-on introduction to operating and setting up a Universal Control Network (UCN) with the High Performance Process Manager (HPM). This course provides skills to operate and implement a complete range of HPM functions which include: setting up a UCN; building HPM regulatory control, digital, logic, device control and box variable points and writing HPM Control Language (CL) programs.

Course Benefits
Learn UCN/xPM Operations and Implementation
• Allows you to focus your training on the UCN
• Gain basic operating skills for all UCN/HPM point types
• Gain basic skills to implement a UCN from the ground-up to an operational state
• Gain knowledge about the HPM’s control capabilities
• Implement an integrated simulated batch process application incorporating Regulatory Control, Regulatory PV, Digital Composite, Logic, flag, numeric and timer points, all manipulated by a CL program

Course Delivery Options
• In-Center Instructor-Led Training

Who Should Take this Course
TotalPlant Solution Network (TPN) Customers
• Who have had no prior TPN implementation training
• Who already have a fully-implementation TPN and will be responsible only for building HPM points and writing HPM CL programs from a US
• Who need to concentrate their efforts strictly on the UCN, rather than the overall TPS Network

Prerequisite/ Skill Requirements
Prerequisite Course (s)
• None

Required Skills and/or Experience
• None

Desirable Skills and/or Experience
• Familiar with own plant’s process control environment

Course Topics
You will learn how to...
• Configure a UCN consisting of a Network Interface Module (NIM) and HPM
• Operate and build HPM regulatory control and regulatory process variable type points, including cascade control loops
• Operate and configure HPM Digital Composite, Logic, Flag, Numeric, Timer, and Array points
• Operate a Process Module point by loading and running its associated HPM CL program
• Configure Process Module points and create their associated HPM CL programs
• Write and implement Abnormal Condition Handlers
• Operate and configure Device Control, Pulse Input, Sequence of Events, Smart Transmitter and Serial Interface Array points

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

For more information and registration, visit www.automationcollege.com.