TPS: Fundamentals - (GUS) HPM Points and CL Implementation

Course Overview
Course number: TPS-5716
Course length: 8 days

This Global User Station (GUS)-based course provides a hands-on introduction to operating and configuring the full range of High Performance Process Manager (HPM) point types and to creating HPM Control Language (CL) programs using the Data Entity Builder (DEB) as the configuration tool. The HPM point types covered include: Digital Composite, Logic, Device Control, Flag, Numeric, Timer, Array, Pulse Input, Sequence of Events (SOE), Smart Transmitter and Serial Interface (SI) Array. Program implementation includes creating Process Module points and writing HPM CL programs.

Course Benefits
Implement more advanced UCN control schemes
- Gain more in-depth knowledge of 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 (TPS) System Customers
- Who have had previous TPS Implementation training
- Requiring more in-depth knowledge of the various HPM point types and their applications
- Requiring basic HPM CL programming and implementation skills

Prerequisite/Skill Requirements
Prerequisite Course (s)
- (TPS-5722 or TPS-5722-FT) or
- ((TDC-3300HPM or TDC-3300HPM-FT) and (TPS-5713 or TPS-5713-FT))

Required Skills and/or Experience
- None

Desirable Skills and/or Experience
- Working knowledge of your process

Course Topics
You will learn how to...
- 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.