Course Overview

Course number: TPS-5729-FT
Course length: 9-10 days

This Global User Station (GUS)-based course provides a hands-on introduction to operating and setting up a Universal Control Network (UCN) with a High Performance Process Manager (HPM) using the Global User Station (GUS) and the Data Entity Builder (DEB) as the configuration tool. This course provides skills to operate and implement a complete range of HPM functions which include: setting up a UCN; Building HPM Digital Composite, Logic, Device Control, Flag, Numeric, Timer, Array, Pulse Input, Sequence of Events (SOE), Smart Transmitter and Serial Interface (SI) Array points. Program implementation includes creating Process Module points and writing HPM Control Language (CL) programs.

Course Benefits

Skills for UCN/HPM Operations and Implementation
- Allows you to focus your training on the UCN
- Gain basic operating skills for all UCN/HPM point types
- Gain the 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
- FlexTraining®

Who Should Take This Course?

TPS Customers
- Who have had no prior TPS implementation training
- Who already have a fully-implemented TPS Network and will be responsible only for building HPM points and writing HPM CL programs
- Who need to concentrate their efforts strictly on the UCN only
- Who do not need LCN and GUS operations and implementation training

Prerequisite/Skill Requirements

Prerequisite Course(s)
- None

Required Skills and/or Experience
- None

Desirable Skills and/or Experience
- Familiarization 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.