TPS: Fundamentals - (GUS) LCN/UCN Overview

Course Overview

Course number: TPS-5738  
Course length: 4 days

Need an Overview of the TotalPlant Solution (TPS) System?

This Global User Station (GUS)-based course provides an introduction to the terminology, control philosophy and functions of the TotalPlant Solution (TPS) System consisting of a Local Control Network (LCN) and a Universal Control Network (UCN) with a High Performance Process Manager (HPM) controller. This course provides a basic understanding of the architecture and hardware of the TPS system. Hands-on lab exercises provide operating skills for Universal Control Network (UCN) HPM Regulatory Control and Digital Composite points through the GUS’s Native Window. Students will also learn how to navigate the UCN/HPM Status displays and how to operate HPM Control Language (CL) programs.

Course Benefits

Become familiar with the TPS System operating environment

- Gain a basic understanding of TPS architecture, terminology, acronyms and hardware
- Gain fundamental process point operating skills and an understanding of the TPS process control environment
- Learn to navigate the various TPN displays from a Global User Station

Course Delivery Options

- In-Center Instructor-Led Training

Who Should Take This Course?

TPS Customers who

- Need a basic operational and navigational overview of the TPS System but do not need to pursue more in-depth operation or implementation training
- Need to work specifically with HPM point types using the GUS’s Native Window

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
- Microsoft Windows 2000 experience

Course Topics

You will learn how to…

- Identify TPS hardware
- Navigate and manipulate operational and system displays including the Group, Detail, Alarm Summary, Console, System and UCN Status displays
- Operate HPM Regulatory Control and Regulatory Process Variable type points, including cascade control loops
- Operate HPM Digital Composite, Flag, Numeric and Timer points
- Operate a Process Module point by loading and running its associated HPM Control Language program

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.