TPS: Fundamentals - (GUS) APP Node AM/CL Implementation

Course Overview
Course number: TPS-5756-FT
Course length: 4.5 days

Need better supervisory control?
This Global User Station (GUS)-based course provides hands-on introduction to configuring Application Module (AM) points, Control Language (CL) programs, and Custom Data Segments, then linking them together in supervisory control schemes. Control schemes are implemented on the Application Processing Platform (APP) node using the GUS Native Window as the user interface and the Data Entity Builder (DEB) as the configuration tool. This course introduces the process of initiating NT-side applications from Local Control Network (LCN)-side CL programs.

Course Benefits
Learn to optimize processes and reduce costs
- Design and implement advanced process control strategies for greater optimization
- Initiate and monitor NT-resident applications for increased control capabilities
- Implement control strategies that require inputs from more than one Universal Control Network (UCN), Data Hiway, or LCN

Course Delivery Options
- FlexTraining®

Who Should Take This Course?
TotalPlant Solution (TPS) System customers who
- Are new to AM CL
- Require advanced supervisory control
- Need NT interoperability
- Look to optimize operations

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
- Basic programming skills

Course Topics
You will learn how to....
- Build and operate the following AM point types: Regulatory, Numeric, Flag, and Custom
- Create a custom control algorithm using AM CL
- Create an indirect reference program using Custom Data Segments
- Create and use an AM CL package and custom enumeration
- Allocate AM memory and configure optional, custom, and background AM functions in the Network Configuration File (NCF)
- Initiate an NT-resident application from AM CL using the CL Server
- Use optional external Load Modules to read from, and write to, text files, access History Module (HM) continuous history and access higher level mathematical subroutines

Additional Training
To increase your knowledge and skills, there are additional courses available from Automation College.
For more information and registration, visit https://www.honeywellprocess.com/