Johnson Controls Institute Course

Metasys GPL Engineering (#352)

$1,705/**$1,555**
(3.0 CEU)

Note: Available only to end user customers and Authorized Building Control Specialists.

Implement and improve control strategies throughout your network by coordinating the activities of multiple controllers. Experienced facilities personnel will learn how to write custom programs for network-wide applications using GPL. Metasys Graphic Programming Language (GPL) enables you to share point values across the network, synchronize the activities of your supervisory controllers, and extend the capability of your application specific controllers. Participants will build, modify, and troubleshoot control processes with this symbol-based programming tool. Other topics include the Network Control Unit software architecture, direct mapped points, and Control-System Objects.

Prerequisites: Must be able to perform the following tasks: create systems online, upload/download databases, and route Metasys reports. All of these tasks and much more are covered in depth in the Metasys PMI Facility Operator (#350) course.

MONDAY
AM: GPL Capabilities and Terminology
Object and Operation Blocks
PM: Making Processes
LAB: Building the First Strategy File

TUESDAY
AM: Network Database Simulator
Process Execution and Triggering
Expert Checker, Translator
PM: Sharing Data, Logic Blocks, Session Read
LAB: Using the Simulator/Troubleshooting
LAB: Building a More Complex Strategy

WEDNESDAY
AM: Delay and Pulse Blocks
Network Sharing Techniques
PM: Period, Ramp, and Span Blocks
Ramp Compound
LAB: Hot Water Valve Application
LAB: Adding More Compounds

THURSDAY
AM: ASC Network Interaction
Models and CS Objects
Ref Block – Using CS Objects in GPL
LAB: Using Ref Block
PM: LAB: Troubleshooting GPL Code

FRIDAY
AM: Multiple Command Objects
Final Review

Course ends at 11:30 a.m.