

Johnson Controls Institute Course

Metasys FEC Engineering (#4702)

\$1,295/**\$1,145**
(2.0 CEU)

Take control of your facility equipment by programming and testing your own control strategies for Field Equipment Controllers (FECs). Participants will learn how to access and read existing strategies, create programs, download and test their configurations. Extensive hands-on lab activities use CCT software to create strategies for FEC, IOM, and VMA controllers. Additional lab exercises focus on building sideloops and using the CCT simulation tool. The knowledge gained in this course is a strong foundation for proficient FEC troubleshooting. This is an excellent course for experienced building personnel who want to expand their knowledge of HVAC Control Systems and Johnson Controls FEC devices.

Recommended Prerequisite: Fundamental Control Strategies for HVAC Systems (#215) or Equivalent experience.

DAY ONE

AM: FEC Controller Overview
Controller Configuration Tool (CCT) Overview
LAB: CCT Help File
Bluetooth Wireless Communications
LAB: Bluetooth Wireless Setup
PM: Downloading and Uploading FEC Controllers
LAB: FEC Downloading and Uploading
Modifying Points in an FEC Controller
LAB: Modifying Inputs and Outputs
Control Strategies

DAY TWO

AM: State Control Basics
LAB: Commissioning an FEC Controller
Creating a New Application
LAB: Fan Coil Application
Simulation Mode
LAB: Simulating an FEC Controller
PM: MS/TP Communications
FEC and IOM Hardware
LAB: RTU and AHU Applications

DAY THREE

AM: VMA Controller
Sideloops
LAB: Creating Sideloops
PM: Installation Considerations
TEC Thermostats

Course ends at 3:30 p.m.

