

Engineering and Designing FOUNDATION fieldbus™ Systems

Comprehensive Hands-on Training for Systems Designers and Engineers

- Intended Audience:** Managers, Engineers, Designers, and Technicians taking a first look at FOUNDATION fieldbus™ Technology
- Course Format:** Hands-On Instruction (Option to Implement Workforce Competency Program)
- Course Length:** Four or Five Days (Competency Assessment Requires Additional Time)
- Prerequisite:** FOUNDATION fieldbus™ Fundamentals
- Materials:** Learning Modules and Visual Presentation
- Number of Modules:** 28 (Plus 1 Optional - Optional is in Lighter Colour)
- Module Titles:**
- FOUNDATION fieldbus™ Device Types**
Availability and Application of Fieldbus Devices
 - Fieldbus Segment Test Tools**
Overview and Employment of Fieldbus Test Equipment
 - Documentation of FOUNDATION fieldbus™ Systems**
Layout and Best-Practices for Fieldbus Documentation Deliverables
 - FOUNDATON fieldbus™ Diagnostic Data**
Standard Diagnostics for Fieldbus Blocks, Devices and Networks
 - Propagation of FOUNDATION fieldbus™ Field Data**
Understanding and Using Fieldbus Messaging and Diagnostics
 - FOUNDATION fieldbus™ Safety Systems**
Overview of Safety-Bus Implementations and Technology Benefits
 - Fieldbus Host System Selection**
Developing Evaluation Criteria of Host System Functionality
 - Designing FOUNDATION fieldbus™ Networks**
Physical-Layer Fundamentals including Segment Loading Practices
 - Fieldbus Device Configuration**
Overview of Initializing and Configuring Fieldbus Devices
 - FOUNDATION fieldbus™ Configurable Block Parameters**
Detailed Parameter Configuration Options and Default Settings
 - The National Instruments Fieldbus Configurator**
Overview of NI-FBUS Configurator Software and its Features
 - Fieldbus Device Configuration Exercise**
Hands-on Exercises for Configuring a Fieldbus Segment
 - Installing FOUNDATION fieldbus™ Networks**
Installing Fieldbus Devices, Distribution Systems and Cable Products
 - Fieldbus Troubleshooting Guide**
Procedures for Assessing and Solving Typical Fieldbus Faults
 - Overview of Fieldbus Commissioning Procedures**
Explanation of FOUNDATION fieldbus™ Device Commissioning
 - Fieldbus Commissioning Exercise**
Comprehensive Procedures for Commissioning Fieldbus Device Networks
 - FOUNDATION fieldbus™ Method Exercises**
Hands-on Execution of fieldbus Method Procedures

Course Description: This interactive, first-look seminar covers topics sufficient to assist the learner in evaluating application of FOUNDATION Technology. Taught by an experienced implementor, participants will be able to ask questions regarding installation, economic benefits, best practices and more. Avoid any unforeseen pitfalls with training and know-how from the World-class leader in Fieldbus training and consulting

1-877-DIGIBUS
training@buscorp.com



BusCorp

Courses provided by BusCorp at the location of your choosing.
Visit us at www.buscorp.com to learn more about our many course selections.