

FUNDAMENTALS of STRUCTURED WIRING Workshop



Workshop Outline

- 1. Introducing Structured Wiring**
 - Background on Structured Wiring
 - Typical Services
 - Retrofit Installation
- 2. Benefits of Structured Wiring**
 - Benefits to the Homeowner
 - Benefits to the Builder
 - Benefits to the Installer
- 3. Safety and Tools**
 - Jobsite Safety Rules
 - Planning Tools
 - Rough-in Tools
 - Trim-out Tools
 - Testing Tools
- 4. Components of Structured Wiring**
 - Wire
 - Distribution Panel
 - Wall Outlets/Access Points
- 5. Layout of Structured Wiring**
 - Old Layout: Daisy Chain
 - Today's Layout: Home Run
 - Service Demarcation Points
 - What Should Be Surge Protected?
- 6. Installing of Structured Wiring Systems**
 - The Planning Phase
 - The Rough-in Phase
 - The Trim-out Phase
- 7. Terminating Wires**
 - Steps for Termination
 - RJ-45 Connector Termination
 - Termination of Audio Wire
 - Coax Connectors
- 8. Testing Structured Wiring**
 - When You Should Test
 - Common Problems in Wiring
 - Testing Methods and Tools

The Digital Home is founded on structured wiring and every installer, manager, and business owner benefits from understanding this foundation of the integrated home. This intensive and interactive workshop teaches the components and methods needed to successfully plan, install, test, and document a structured wiring system.

LEARN HOW TO:

- Design and layout Structured Wiring
- Select components of Structured Wiring
- Understand different modules and make recommendations
- Ensure correct wiring and performance
- Install and terminate Structured Wiring
- Troubleshoot wiring connections and performance

WORKSHOP FEATURES AND MATERIALS

This workshop is designed by industry veterans with extensive experience. The eight-hour interactive training is led by an experienced and qualified Bedrock Learning trainer and subject matter expert. Product samples will be shared during the workshop. The workshop curriculum helps prepare for DHTI+ certification by CompTIA. Reinforce your learning with the online course opportunity. Each student receives workshop materials including:

- Comprehensive workbook in full-color, plus numerous handouts
- CD with Structured Wiring documentation forms
- Certificate of Completion
- Substantial savings on **Fundamentals of Structured Wiring** online course for follow-up review and testing

WHO SHOULD ATTEND

This workshop is designed for installers and technicians working in the home, interested in structured wiring, and who want to build their skill set. Those individuals working towards CompTIA DHTI+ or CEDIA certifications will gain knowledge in preparation for testing.

PREREQUISITES AND COST

- No prerequisites for this workshop
- Cost, including all materials and lunch, is \$399 per person
- Each additional student from the same company is \$299

DATES, LOCATION AND REGISTRATION

- For a complete schedule of workshops, visit www.bedrocklearning.com
- Register by phone at 616.335.6206

For more information contact:

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