

Network Sciences Certified Installer Training

HellermannTyton offers Certified Installer training classes in copper systems, fiber systems and labeling and administration.

Each course is recognized by BICSI for continuing education credits (CECs).

Conducted by our experienced Area Sales Managers, HellermannTyton offers a flexible training approach that allows for classes to be held in the installer's area. For larger classes, HellermannTyton can also conduct training at our corporate training facility in Milwaukee, WI.

Course Offerings:

**Structured Cabling System
- Copper Certification**
(5) BICSI CECs

**Structured Cabling System
- Fiber Certification**
(3) BICSI CECs

**ANSI/TIA-606-B Labeling
Standard**
(3) BICSI CECs

Contact Us

For more information on the Network Sciences Certified Installer Training Program, or to request training, contact us at contractorprograms@htamericas.com or **(800) 537-1512**.

Course Outline

Structured Cabling System - Copper Certification

Time allotment: 6 hours

1. Introduction
2. HellermannTyton Product Overview
3. Structured Cabling Definitions and Overview
4. History and Evolution of Standards
5. Current Standards Overview
 - a) TIA/EIA-568-C Commercial Wiring
 - b) TIA/EIA-569-B Pathways and Spaces
 - c) TIA/EIA-570-A Residential and MDU
 - d) TIA/EIA-607 Grounding and Bonding
 - e) TIA/EIA-606-B Administration and Labeling
 - f) TIA/EIA-942 Data Center Standard
6. Emerging Standards
7. Field Testing Requirements for Copper Cabling Systems
8. Practical Demonstration of Field Testing
9. Installation Practices
10. Hands-on Product Termination
11. Hands-on Field Testing and Certification
12. Network Sciences Certification Program
13. Questions
14. Course Exam and Review

Course Outline

Structured Cabling System - Fiber Certification

Time allotment: 4 hours

1. Introduction
2. Fiber Types
3. Optical Sources
4. Structure of Optical Cable
5. Optical Fiber Applications
6. Fiber vs. Copper
7. Fiber Backbone and Horizontal Cables
8. Fiber Connector Types and Specifications
9. Fiber Splicing
10. Fiber Panels and Adapters
11. General Tools and Equipment
12. Installation Practices
13. Network Sciences Certification Program
14. Questions
15. Course Exam and Review

Course Outline

ANSI/TIA-606-B Labeling Standard

Time allotment: 4 hours

1. **Introduction to the Standard and History**
 - a) TIA 606
 - b) TIA 606 A
 - c) TIA 606 A Addendum 1
 - d) TIA 606 B
 - e) Review of Identifiers
 - f) Review of Terminology
 - g) Review of Association to ISO/IEC TR 14763 2 1
 - h) Classes of Administration
2. **Class 1**
 - a) Telecommunications Space
 - b) Cabinet, Racks, Enclosures
 - c) Patch Panels
 - d) Ports
 - e) Cabling Subsystem Horizontal Link
 - f) Equipment Outlet and Telecommunications Outlet
 - g) Consolidation Points
 - h) Splice in Cabling Subsystem Horizontal Link
3. **Class 2**
 - a) TMGB Grounding
 - b) TGB Grounding
 - c) RGB Grounding
 - d) Mesh BN Grounding
 - e) BCT Grounding
 - f) TBB Grounding
 - g) GE Grounding
 - h) Grounding Conductor from Object to Ground
 - i) Backbone Cabling
 - j) Backbone Cabling Pair/Port
 - k) Firestop Location
4. **Class 3**
 - a) Campus or Site
 - b) Building
 - c) Inter-building Cable
 - d) Inter-building Pair/Port
 - e) Inter-building Cable Splice
 - f) Outdoor Telecommunications Space
 - g) Intra-space Pathway
 - h) Intra-building Pathway
 - i) Building Entrance Pathway
5. **Class 4**
 - a) Campus Location
 - b) Outside Plant Pathway