



Structured Wiring and Termination Technician (SWATT) Online Training Course Outline

Course Time: 6 Hours

Course Description

The Structured Wiring and Termination Technician PLUS series includes the five courses of the SWATT program collected in a single certification. At the conclusion of the five-module series, you will be prompted to take an online exam. Once the exam is passed, you will have the opportunity to order the SWATT+ live lab box that is shipped to your address. The SWATT+ live lab box is a hands-on testing tool that provides the full SWATT+ certification. You must pass both the online course and successfully complete the live lab box to receive your certification.

This certification is comprised of the following modules:

- Introduction
- Component and Tools
- Installations
- Terminations
- Testing and Documentation

Course Objectives

At the end of this course, students will be able to:

- Define the architecture of structured wiring and various structured wiring applications.
- Understand the structured wiring safety standards.
- Explain the types of wiring and wiring elements.
- List out the components of a structured wiring system.
- Define the 5 phases of the structured wiring installation.
- Explain the various terminations used in structured wiring.

Course Outline

- Module 1 Introduction to Structured Wiring
 - What is Structured Wiring?
 - Structured Wiring and Convergence
 - Structured Wiring and Scalability
 - Architecture of Structured Wiring
 - Structured Wiring Applications
 - Structured Wiring and Standards
 - Structures Wiring and Safety
- Module 2 Structure Wiring Component and Tools
 - Structured Wiring Elements
 - Types of Wiring
 - Types of Termination Equipment
 - Types of Tools
 - Types of Schematics
 - Components in a Structured Wiring System
- Module 3 Structured Wiring Installations
 - Types of Installations Phases
 - Phase 1: Pre- Installation
 - Phase 2: Pre- Wire
 - Phase 3: Trim Out
 - Phase 4: Testing
 - Phase 5: Training
- Module 4 Structured Wiring Terminations
 - Types of Terminations
 - Termination Tools
 - Modular Plug Terminations
 - Jack Terminations
 - Punchdown Terminations
 - Patch Panel Terminations
 - Coaxial Terminations
 - Fiber Optic Terminations

- Module 5 Structured Wiring Testing and Documentation
 - Types of Testing Tools
 - Types of Tests
 - Types of Certification Tests
 - Twisted Pair Testing
 - Coaxial Testing
 - Documentation