

Altium Designer Harness Design

OEM: Altium • Code: ALTNUM_DESIGNER_HARNESS_DESIGN

COURSE DESCRIPTION

Join our intensive training program designed for electrical systems and harness design professionals. Gain advanced insights, practical skills, and the confidence to tackle complex design challenges. Learn from industry experts and elevate your professional competence through this comprehensive course. Hands-on instruction helps you master harness components and understand practical applications. Gain proficiency in advanced wiring design principles to optimize your projects. Learn best practices for creating and managing efficient layout designs. Develop skills to generate accurate and reliable manufacturing outputs.

AUDIENCE PROFILE

- Electrical engineers and designers
- Professional involved in electrical systems and harness design
- Those at any skill level seeking advanced insights

PREREQUISITES

- A stable internet connection
- Access to an Altium Account
- Latest Altium Designer installation

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- This section doesn't contain any content.

COURSE OUTLINE

Module 1: Getting Started with the Workspace Environment

- Utilizing Panels, Toolbars, and Menus: Familiarize yourself with the essential tools and navigation elements within the workspace.
- Accessing and Creating Design Projects: Learn to access the workspace and create new design projects, setting the foundation for a successful design workflow.

Module 2: Harness Design

- The Wiring Diagram: Develop an accurate wiring diagram to define connections and design intent.
- The Layout Drawing: Create layout drawings that detail the physical arrangement of components.
- Design Verification: Conduct design checks to ensure accuracy and compliance with project requirements.
- Managed BOMs: Generate and manage Bills of Materials for efficient production planning.
- Manufacturing Drawings: Prepare complete manufacturing drawings for seamless handoff to production.

Module 3: Harness Design for Multi-Board Systems

- Multi-Board Projects: Explore setup and management techniques for multi-board systems, using harness design to simplify connections and enhance project organization.

Module 4: Harness Component Creation

- Component Creation: Discover how to create and organize components essential for harness projects within the workspace environment.
- Crimps and Wires: Learn to set up crimps and wires effectively to ensure solid and reliable connections.
- Working with Symbols and Footprints: Gain expertise in creating and using symbols and footprints critical to harness components.