



Autodesk Inventor Professional 2010 Cable and Harness Design

Course Description: This course is designed to teach you the essential elements of cable and harness design using Autodesk Inventor Professional Routed Systems.

Objectives: After completing this course, you will be able to

- Describe the functionality of Cable and Harness and the basic workflow to add and document cable and harness designs.
- Wire a harness assembly by adding and importing wires and cables, adding ribbon cables, adding route segments, and routing wires and cables through the segments.
- Refine a cable and harness design by editing the wires, cables, routes, or cable ribbons; by adding and editing splices; or by adding and editing virtual parts.
- Communicate your cable and harness to others by creating and annotating 2D drawings and exporting the design data.
- Create and manage the library file and configuration files.

Prerequisites: Students should have working knowledge of the Autodesk Inventor Part and Assembly Modeling and Drawing View Creation and Annotating. Recommended working knowledge of Microsoft Windows XP or Microsoft Windows Vista.

Topics:

1. Getting Started Creating Cable and Harness Designs

Creating Cable and Harness Designs

2. Wire a Harness Assembly

Adding Wires and Cables
Routing Wires and Cables
Importing Wire and Cable Data
Adding Ribbon Cables

3. Refine a Cable and Harness Design

Modifying Wires, Cables, Segments, and Ribbon Cables
Working with Splices
Working with Virtual Parts

4. Communicate the Design

Creating Drawing Views of Cable and Harness Design
Annotating Nailboards
Exporting and Reporting Design Data

5. Configure Library and Report Configuration Files

Library Definitions and Library Files
Configuration Files for Reports, Imports, and Exports

6. Create, Author, and Publish Electrical Content

Defining Electrical Parts and Connectors
Managing Libraries
Creating Library Content
Managing Library Content

AND MORE!

Duration: 2 Days

Classroom Tuition: \$595.00/student

Group rates are available

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