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**Course Title:** Inventor – Tube and Pipe Design

**Course Code:** INV-2TPD

**Duration:** 2 Days

## Courseware Description

Learn the fundamental principles and recommended workflows for creating and documenting rigid tubing, flexible hose, and piping systems using Autodesk® Inventor® software. Hands-on exercises representing real-world, industry-specific design scenarios are included.

## Objectives

To teach users the recommended workflows and basic skills needed to design and document rigid tubing, flexible hose, and piping systems using Autodesk Inventor

## Who Should Attend

Experienced Autodesk Inventor users

## Prerequisites

- Completion of **INV-1** course or equivalent knowledge of Inventor parametric part and assembly design.
- Drafting, design, or mechanical engineering principles.
- Microsoft® Windows® 7, Windows® Vista or Microsoft® Windows® XP.

## Course Outline

### Day 1

#### Basic Pipe and Tubing

- Pipe and Tubing Theory overview
- Introduction to Tube and Pipe Module
- Setup for Routes and Runs
- Placing Initial Fittings
- Creating Rigid Routes
- Sketching Rigid Routes
- Editing Rigid Routes
- Working with Fittings in Rigid Routes
- Flexible Hose Routes
- Leveraging Routes and Runs

### Day 2

#### Advanced Pipe and Tubing

- Managing Fittings and Components Libraries
  - Creating Custom Fittings and Equipment
  - Creating Library Content
  - Managing Library Content
  - Creating Tube and Pipe Styles
  - Documenting Tube and Pipe Assemblies
  - Representing Tube and Pipe Designs
  - Documenting Routes and Runs
  - Exporting Tube and Pipe Data
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