



## **Autodesk Inventor Professional 2010 Tube and Pipe Design**

**Course Description:** This course is designed for the existing Autodesk Inventor users who want to learn the tools and workflows for creating associative pipe, tube, and hose runs using Autodesk Inventor Professional 2010.

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

- Describe the tube and pipe environment and why you would use it.
- Set up routes and runs and place the initial fittings in your tube and pipe design.
- Create, edit, and manage routes for rigid pipe, rigid tube, and flexible hose designs.
- Manage content libraries, publish custom content to content libraries, and create new styles that use custom content.
- Document tube and pipe designs through the creation of 2D drawings and parts lists and export the 3D design data.

**Prerequisites:** Students should have working knowledge of parametric part and assembly design using Autodesk Inventor 2010 and also Microsoft Windows XP or Microsoft Windows Vista.

### **Topics:**

#### **1. Introduction to Tube and Pipe**

Introduction to Tube and Pipe

#### **2. Setup Routes and Runs**

Setup for Routes and Runs  
Placing Initial Fittings

#### **3. Routes and Runs**

Creating Rigid Routes  
Sketching Rigid Routes  
Editing Rigid Routes  
Working with Fittings in Rigid Routes  
Flexible Hose Routes  
Leveraging Routes and Runs

#### **4. Fittings and Components**

Managing Libraries  
Creating Library Content  
Managing Library Content  
Creating Tube and Pipe Style

#### **5. Documenting Tube and Pipe Assemblies**

Representing Tube and Pipe Designs  
Documenting Routes and Runs  
Exporting Tube and Pipe Design Data

**AND MORE!**

**Duration:** 2 Days

**Classroom Tuition:** \$595.00/student

*Group rates are available*

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