Inventor New User Training

3-day class

The Inventor New User course will provide you with a thorough coverage of the features and functionalities offered in the Autodesk Inventor product. Included is the instruction on how to create part and assembly models, and document those designs with drawing views.

- **Introduction to Autodesk Inventor**
  - Projects, Organizing your Files
  - User Interface, Screen Layout
  - Model Orientation and Visual Display
  - Object Selection and Suppression
  - Model Measurements and Properties

- **Sketching, Constraining and Dimensioning**
  - Creating a New Part File
  - Creating a Sketch and Sketch Geometry
  - Parametric Constraints and Dimensions
  - Inserting an AutoCAD file

- **Creating Sketched Features**
  - Extrude, Revolve, Sweep and Loft
  - Editing a Feature
  - Materials and Appearances

- **Creating Pick and Place Features**
  - Chamfer and Fillets
  - Holes and Threads

- **Additional Features**
  - Work Features
  - Face Draft
  - Splitting a Face or Part
  - Shells and Ribs
  - Reordering and Inserting Features

- **Equations**
  - Parameters Dialog Box
  - Model and User Parameters
  - Filtering and Modifying Parameters

- **Duplication Tools**
  - Patterns and Mirroring
  - Manipulating Patterns and Mirror Features

- **Assembly Environment**
  - Assembling Components with Constraints
  - Content Center
  - Assembling Components using Joints

- **Manipulating Assembly Display**
  - Moving & Rotating Assembly Components
  - Suppressing Constraints

- **Section and Design Views**

- **Assembly Tools**
  - Replacing & Restructuring Components
  - Driving Constraints
  - Contact Solver and Interference
  - Error Recovery

- **Assembly Parts and Features**

- **Assembly Bill of Materials**
  - Creating Virtual Components
  - Bill Of Material Structure
  - Bill of Material Settings

- **Working with Projects**
  - Project Tree and Project Paths
  - Appearance and Material Libraries
  - Search Sequence and Resolving Links

- **Drawing Basics**
  - Drawing View Types
  - Creating and Editing Views
  - View Orientation and Alignment
  - View Properties and Sheets

- **Detailing Drawings**
  - Model verses Drawing Dimensions
  - Editing Dimensions
  - Parts List and Balloons
  - Styles and Standards
  - Hatching

- **Drawing Annotations**
  - Text and Parameters as Text
  - Adding Properties as Text
  - Symbols, Center Marks and Center Lines
  - Hole and Thread Notes
  - Hole Tables
  - Revision Tables and Tags