



Autodesk Inventor Essentials – Part 1

2 Day Course

Who Should Attend?

This course is designed for new Autodesk Inventor users.

No previous CAD experience is necessary. However, drafting, design, or mechanical engineering experience is a plus. It is also recommended that the delegate have a working knowledge of Microsoft Windows.

Objectives

The primary objective of this course is to provide delegates with a thorough understanding of the principal 3D design, validation and documentation processes that they will use to develop products using Autodesk Inventor.

Agenda

This course covers the fundamental principles of 3D parametric part design, assembly design and creating production-ready part and assembly drawings using Autodesk Inventor. Delegates learn how to capture design intent by using the proper techniques and recommended workflows for creating intelligent 3D parametric parts; creating, placing and constraining custom and standard components in an assembly; simulating mechanisms, animating assembly designs and checking for interferences.

Note: We normally train on the latest version. During the course delegates will cover:

Agenda Topics:

- Autodesk Inventor User Interface
- Designing Parametric Parts
- Using Project Files for Part Design
- Creating 2D & Basic Sketches
- Geometric Constraints
- Intermediate Sketching
- Editing Parametric Parts
- Creating Work Features
- Creating Basic Swept Shapes
- Creating Chamfers and Fillets
- Creating Holes and Threads
- Patterning and Mirroring Features
- Creating Thin-Walled Parts

The above may be varied to suit customer preferences and requirements.

Qualifications

On completion of the course, you will be presented with an Autodesk Authorised Training Certificate.



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