



Autodesk Inventor

Advanced Assembly and Machine Design



Maximise your investment -get the most out of your software

Autodesk[®]

Authorized Training Center

This course includes training materials and official Autodesk accreditation. The day starts at 9:30 and finishes at 16.30.

CADGROUP AUSTRALIA AUTHORISED TRAINING CENTRES

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Cadgroup Australia is an Autodesk Premier Solutions Provider and an Autodesk Authorised Training Centre. Cadgroup supplies comprehensive software solutions to the Design and Engineering industries.

Our team has the experience and expertise to match your requirements. Cadgroup Australia supports specific products based on extensive research and background knowledge of performance criteria and industry standards.

Overview

The objective of this course is to teach experienced students the recommended workflows and advanced skills needed to create and modify complex assembly designs in Autodesk Inventor. After completing this course, the student will be proficient in advanced assembly modeling techniques.

Students also learn how to quickly create steel frame designs, create and document welded designs, and publish custom parts using the Content Centre. Hands-on exercises representing real-world, industry-specific design scenarios are included.

Students should have completed a Learning Autodesk Inventor course and have a working knowledge of the following:

- Parametric part and assembly design using Autodesk Inventor
- Parametric solid modeling concepts and design or mechanical engineering principles
- Microsoft[®] Windows[®] XP or Microsoft[®] Windows[®] 2000

COURSE DETAILS

Day 1

Derived Designs

- Tolerancing and Monitoring Design Values
- Deriving Geometry
- Creating Frames
- Modifying Frames

Adaptive Design

- Introduction to Adaptive Design
- Adaptive Cross-Part Sketch Geometry
- Adaptive Parts and Features
- Adaptive and Flexible Sub-assemblies

Day 2

Content Center

- Overview of the Content Center
- Using the Content Center
- Publishing and Managing Content

Design Accelerators

- Introduction to Design Accelerators
- Bolted Connections
- Shaft Generator
- Bearing Generator
- Gear Generators
- Belt Generators

Welded Designs

- Introduction to Weldments
- Creating Weldments
- Documenting Weldments

Designing and Documenting Product Families

- iAssembly Configurations
- Using and Managing iAssembly

Configurations

- Documenting iAssembly Configurations