Pentagon

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Autodesk Inventor

Gain credibility and get ahead with our Autodesk Training & Certification

AUTODESK. Authorized Training Center

Duration: 5 Days

Prerequisites:

As an introductory training guide, Inventor Introduction to Solid Modeling does not assume prior knowledge of any 3D modeling or CAD software. Students do need to be experienced with the Windows operating system and a background in drafting of 3D parts is recommended.

Course Outline

The Inventor Introduction to Solid Modeling training guide instructs students in the best usage approaches for parametric design philosophy through a hands-on, practice-intensive curriculum. Students acquire the knowledge needed to complete the process of designing models from conceptual sketching, through to solid modeling, assembly design, and drawing production.

The main topics covered include:

- The Autodesk® Inventor® software interface
- Creating 2D sketches
- Constraining and dimensioning sketches
- Generating 3D parts from sketches
- Part modeling, adding, and editing 3D features
- Work Features
- reating equations and working with parameters
- Model geometry and model display manipulation
- Resolving feature failures
- Feature duplication techniques
- Establishing and working with model relationships
- Placing and constraining parts in assemblies
- Assembly component display
- Model Information
- Presentation files (Exploded views)
- Assembly tools
- Creating parts and features in assemblies
- Assembly bill of materials
- Working with projects
- Creating and annotating drawings and views
- Customization