



I AUTODESK[®] INVENTOR[®]

The Autodesk Inventor Certified User exam demonstrates competency in product and part design. The exam covers the basic use of the Inventor software as well as basic mechanical design techniques. An individual earning this certification has approximately 150 hours of instruction and hands-on experience with the product, has proven competency at an industry entry-level and is ready to enter into the job market.

Exam Objectives

Individuals who have earned an Autodesk Certified User certification have demonstrated mastery of the following skills:

USER INTERFACE AND NAVIGATION

- Change the viewpoint using the ViewCube
- Change setting of the ViewCube
- Understand Inventor file types and standard templates

ASSEMBLY MODELING

- Apply basic assembly constraints (mate, flush, insert, directed angle)
- Ground base component of an assembly
- Apply an offset to constrained parts
- Determine the degrees of freedom of a component
- Create a presentation model

DRAWING

- Control sheet size and add a title block
- Select and place a front view
- Create a drawing view from an existing view
- Add annotation and dimensioning to a drawing
- Add sheets to a drawing
- Create a drawing view based on an assembly and presentation file
- Add balloons to a drawing
- Create and edit a parts list in a drawing

PART MODELING

- Create extrude features
- Create a pattern of features
- Create a shell feature
- Apply fillets and chamfers
- Create hole features
- Create revolve features
- Place threads

SKETCHING

- Apply dimensions to a sketch
- Assign geometric constraints
- Project geometry
- Create and modify geometric shapes
- Modify an Inventor model

BROWSER EDITING

- Suppress and un-suppress part features
- Toggle visibility of features and sketches