

# Autodesk® Inventor®: Certified User and 2014 Certified Professional

## Exam Preparation Roadmap



Autodesk certifications are industry-recognized credentials that can help you succeed in your design career—providing benefits to both you and your employer. The certifications provide reliable validation of skills and knowledge, and they can lead to accelerated professional development, improved productivity, and enhanced credibility.

Autodesk highly recommends that you structure your examination preparation for success. This means scheduling regular time to prepare, reviewing this exam preparation roadmap, taking a course at one of our Authorized Training Centers, and supporting your studies with Official Preparation Materials. Equally as important, actual hands-on experience is recommended.

The **Inventor Certified User** exam includes both academic and industry requirements designed to confirm that Inventor users have the skills necessary to continue their design careers—whether they attend college, enter the workforce, or work toward additional levels of industry certification. The exam consists of 30 questions combining multiple-choice and performance-based items to ensure students understand and can effectively use Inventor. The exam has a 50-minute time limit. For more information, visit [www.certiport.com/autodesk](http://www.certiport.com/autodesk).

The **Inventor 2014 Certified Professional** exam is aimed at assessing professional users' knowledge of the tools, features, and common tasks of Inventor 2014. The exam is comprised of 35 questions, of which the majority requires you to use Inventor to create or modify a data file, and then type your answer into an input box. Other question types include multiple choice, matching, and point-and-click (hotspot). The exam has a 2-hour time limit (in some countries, the time limit may be extended). Find an Autodesk Certification Center at [autodesk.starttest.com](http://autodesk.starttest.com).

### Certification Program Information

You may take each certification exam up to three times within a 12-month period.

For more information on the Autodesk Certification Program, visit [www.autodesk.com/certification](http://www.autodesk.com/certification).

### Recommended Experience Levels for Inventor Certification Exams

Actual hands-on experience is a critical component in preparing for the exam. You must spend time using the product and applying the skills you have learned.

#### Certified User exam:

Inventor 2011-2014 course (or equivalent) plus 50 hours of hands-on application

#### 2014 Certified Professional exam:

Inventor 2014 course (or equivalent) plus 400 hours of hands-on application

### ATC® Instructor-Led Courses

The Autodesk Authorized Training Center (ATC®) program is a global network of professional training providers offering a broad range of learning resources. Autodesk recommends that test-takers consider taking a certification preparation or product training course at one of these centers. Visit the online ATC locator at [www.autodesk.com/atc](http://www.autodesk.com/atc)

### Official Preparation Material

The official preparation materials for Autodesk Certification exams are published by ASCENT (Autodesk Official Training Guides) and Wiley (Official Press). These guides are used by Autodesk Training Centers, and are available for direct purchase in various formats from [www.ascented.com](http://www.ascented.com) and [www.wiley.com/go/autodeskofficialpress](http://www.wiley.com/go/autodeskofficialpress).

### Autodesk Education Community

The Autodesk Education Community offers students and educators free software, learning materials, and classroom support. Learn more at [students.autodesk.com](http://students.autodesk.com).

Schools can become Certiport® Centers to provide the Autodesk Certified User exams in their classrooms. For more information, contact Certiport at [www.certiport.com](http://www.certiport.com).

# Autodesk Certification Program

## Exam Topics and Objectives

We recommend that you review the topics and objectives during your preparation for certification. The Autodesk Official Training Guides and Official Press for Autodesk certification exams are published by ASCENT and Wiley Publishing. These guides cover the topics and objectives listed below. Please note that not all objectives will be tested during your certification exam.

### Inventor Certified User

Topic	Sub-Topic
<b>User Interface</b>	Primary Environments
	UI Navigation/Interaction
	Graphics Window Display
	Navigation Control
<b>File Management</b>	Project Files
<b>Sketches</b>	Creating 2D Sketches
	Draw Tools
	Sketch Constraints
	Pattern Sketches
	Modify Sketches
	Format Sketches
	Sketch Doctor
	Shared Sketches
	Sketch Parameters
<b>Parts</b>	Creating Parts
	Work Features
	Pattern Features
	Part Properties
<b>Assemblies</b>	Creating Assemblies
	Viewing Assemblies
	Animation Assemblies
	Adaptive Features, Parts, and Subassemblies
<b>Presentations</b>	Creating Presentations
<b>Drawings</b>	Creating Drawings
<b>Sheet Metal</b>	Creating Sheet Metal Parts
	Modify Sheet Metal Parts
	Flat Pattern
<b>Visualization</b>	Create Rendered Images
	Animate an Assembly

To take a Certified User exam, find out more from Certiport:  
[www.certiport.com/autodesk](http://www.certiport.com/autodesk)

For more information:  
[www.autodesk.com/certification](http://www.autodesk.com/certification)

# Autodesk Certification Program

## Exam Topics and Objectives

### Inventor 2014 Certified Professional

Topic	Objective
<b>Advanced Modeling</b>	Create a 3D path using the Intersection Curve and the Project to Surface commands
	Create a loft feature
	Create a multi-body part
	Create a part using surfaces
	Create a sweep feature
	Create an iPart
	Create and constrain sketch blocks
	Use iLogic
	Emboss text and a profile
<b>Assembly Modeling</b>	Apply and use assembly constraints
	Create a level of detail
	Create a part in the context of an assembly
	Describe and use Shrinkwrap
	Create a positional representation
	Create components using the Design Accelerator commands
	Modify a bill of materials
	Find minimum distance between parts and components
	Use the frame generator command
<b>Drawing</b>	Create and edit dimensions in a drawing
	Edit a section view
	Modify a style in a drawing
	Edit a hole table
	Modify a parts list
	Edit a base and projected views
<b>Part Modeling</b>	Create a pattern of features
	Create a shell feature
	Create extrude features
	Create fillet features
	Create hole features
	Create revolve features
	Create work features
	Use the Project Geometry and Project Cut Edges commands
<b>Presentation Files</b>	Animate a presentation file
<b>Project Files</b>	Control a project file
<b>Sheet Metal</b>	Create flanges
	Annotate a sheet metal part in a drawing
	Create and edit a sheet metal flat pattern
	Describe sheet metal features
<b>Sketching</b>	Create dynamic input dimensions
	Use sketch constraints
<b>User Interface</b>	Identify how to use visual styles to control the appearance of a model
<b>Weldments</b>	Create a weldment

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