

# Autodesk® Inventor® 2012

## Autodesk Certification

### 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.

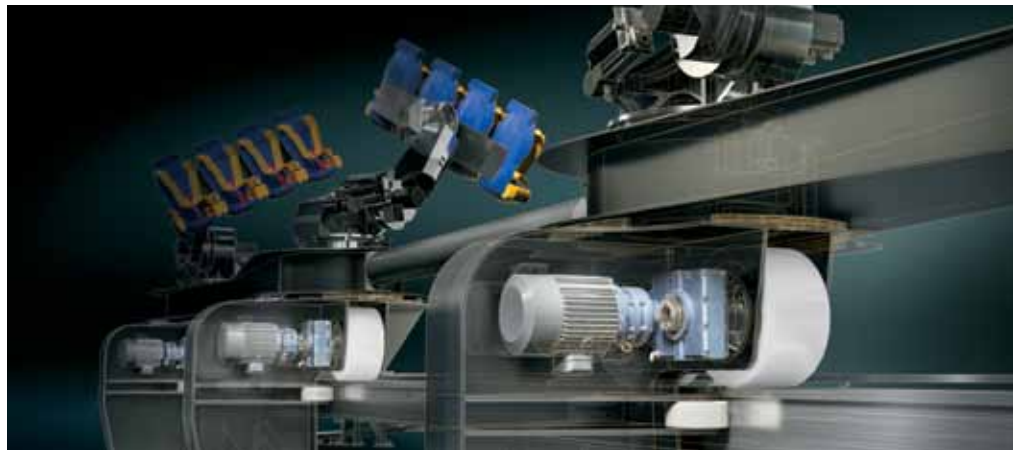


Image courtesy of Dynamic Structures Ltd.

Autodesk highly recommends that you structure your examination preparation for success. This means scheduling regular time to prepare, reviewing this exam preparation roadmap, using the Autodesk Official Training Guide, taking an Assessment test, and using a variety of resources. Equally as important, actual hands-on experience is recommended.

The Autodesk Inventor 2012 Certified Associate exam consists of 30 questions that assess your knowledge of the tools, features, and common tasks of Autodesk Inventor 2012. Question types include multiple choice, matching, and point-and-click (hotspot). The exam has a 1-hour time limit. (In some countries, the time limit may be extended.)

The Autodesk Inventor 2012 Certified Professional exam is a performance-based test. The exam is comprised of 20 questions. Each question requires you to use Autodesk Inventor 2012 to create or modify a data file, and then type your answer into an input box. The answer you enter will either be a text entry or a numeric value. The exam has a 90-minute time limit. (In some countries, the time limit may be extended.)

To earn the credential of Autodesk Inventor 2012 Certified Professional, you must also pass the Autodesk Inventor 2012 Certified Associate exam. You can pass the exams in any order.

To recertify from Autodesk Inventor 2011 Professional to Autodesk Inventor 2012 Professional, you need only pass the Autodesk Inventor 2012 Certified Associate exam.

#### Assessment Tests

Autodesk assessment tests will help identify areas of knowledge that you should develop in order to prepare for the certification exam. At the completion, you will be able to review the items you missed and their correct answers. Contact an Autodesk Certification Center for more information at <http://autodesk.starttest.com>.

#### Autodesk Official Training Guides

The Autodesk Official Training Guide for the Autodesk Inventor 2012 Certification exams is *Autodesk Inventor 2012 Essentials* from Wiley Publishing. This guide is available from booksellers and online booksellers worldwide.

#### 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. Visit the online ATC locator at <http://www.autodesk.com/atc>.

#### Recommended Experience Levels for Autodesk 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.

- **2012 Certified Associate exam:**  
Autodesk Inventor 2012 course (or equivalent)  
plus 100 hours of hands-on application
- **2012 Certified Professional exam:**  
Autodesk Inventor 2012 course (or equivalent)  
plus 400 hours of hands-on application

# Autodesk Inventor 2012

## Exam topics and objectives

We recommend that you review the topics and objectives during your preparation for certification. The Autodesk Official Training Guide for the Autodesk Inventor 2012 Certification exams is *Autodesk Inventor 2012 Essentials* from Wiley Publishing. That guide—which covers the topics and objectives listed below—is available from booksellers and online booksellers worldwide. Please note that not all objectives will be tested during your certification exam

### Autodesk Inventor 2012 Certified Associate

Topic	Objective
Advanced Modeling	Create and constrain sketch blocks Use iLogic Emboss text and a profile
Assembly Modeling	Apply and use assembly constraints Create a level of detail Describe and use Shrinkwrap Modify a bill of materials Find minimum distance between parts and components
Drawing	Create and edit dimensions in a drawing Edit a section view Modify a parts list Edit a base and projected views
Part Modeling	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
Presentation Files	Animate a presentation file
Sheet Metal	Annotate a sheet metal part in a drawing Create and edit a sheet metal flat pattern Describe sheet metal features
Sketching	Create dynamic input dimensions Use sketch constraints
User Interface	Identify how to use visual styles to control the appearance of a model

### Autodesk Inventor 2012 Certified Professional

Topic	Objective
Advanced Modeling	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
Assembly Modeling	Apply and use assembly constraints Create a level of detail Create a part in the context of an assembly Create a positional representation Create components using the Design Accelerator commands Use the frame generator command
Drawing	Edit a section view Modify a style in a drawing Edit a hole table
Part Modeling	Create extrude features Create hole features
Project Files	Control a project file
Sheet Metal	Create flanges
Weldments	Create a weldment

For more information  
<http://www.autodesk.com/certification>  
Find an Autodesk Certification Center  
<http://autodesk.starttest.com>