

# Autodesk® Revit® Architecture 2011

## 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 Cannon Design

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 Revit Architecture 2011 Certified Associate exam consists of 30 questions that assess your knowledge of the tools, features, and common tasks of Autodesk Revit Architecture 2011. 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 Revit Architecture 2011 Certified Professional exam is a performance-based test. The exam is comprised of 20 questions. Each question requires you to use Autodesk Revit Architecture 2011 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 Revit Architecture 2011 Certified Professional, you must also pass the Autodesk Revit Architecture 2011 Certified Associate exam. You can pass the exams in any order.

To recertify from Autodesk Revit Architecture 2010 Professional to Autodesk Revit Architecture 2011 Professional, you need only pass the Autodesk Revit Architecture 2011 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 Revit Architecture 2011 Certification exams is *Mastering Autodesk Revit Architecture 2011* 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 Revit Architecture 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.

- **2011 Certified Associate exam:** Mastering Autodesk Revit Architecture 2011 course (or equivalent) plus 100 hours of hands-on application
- **2011 Certified Professional exam:** Mastering Autodesk Revit Architecture 2011 course (or equivalent) plus 400 hours of hands-on application

# Autodesk Revit Architecture 2011

## 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 Revit Architecture 2011 Certification exams is *Mastering Autodesk Revit Architecture 2011* from Wiley Publishing. That guide—which covers the topics and objectives listed below—is available from booksellers and online booksellers worldwide.

### Autodesk Revit Architecture 2011 Certified Associate

Topic	Objective
Modeling	<ul style="list-style-type: none"> <li>• Create an in-place mass</li> <li>• Apply an element by face</li> <li>• Define floors for a mass</li> <li>• Demonstrate how to generate a toposurface</li> <li>• Create a building pad</li> <li>• Demonstrate how to model railings</li> <li>• Demonstrate how to use design options</li> <li>• Demonstrate how to work with phases</li> <li>• Edit a model element's material (door, window, furniture)</li> <li>• Demonstrate how to create a stair with a landing</li> <li>• Explain how to change a generic floor/ceiling/roof to a specific type</li> <li>• Use appropriate tools to attach the top or base of a wall to a roof or ceiling</li> </ul>
Views	<ul style="list-style-type: none"> <li>• Define element properties to be included in a schedule</li> <li>• Organize and sort items in a schedule</li> <li>• Demonstrate how to create and manage legends</li> <li>• Demonstrate how to control visual styles</li> <li>• Explain how to move the view title independently of the view</li> <li>• Demonstrate how to manage view position on sheets</li> </ul>
Elements	<ul style="list-style-type: none"> <li>• Demonstrate how to create a stacked wall</li> <li>• Use Revit family templates</li> <li>• Explain how to make a new family type of a given model element (door, window, column)</li> <li>• Explain how to modify an element's type parameters</li> <li>• Describe the difference between a hosted family from a component family (wall vs. door)</li> <li>• Explain how to create and/or modify each family category</li> </ul>
Documentation	<ul style="list-style-type: none"> <li>• Discuss the benefits of a dimension string vs. a series of individual dimensions</li> <li>• Set the colors used in a color scheme legend</li> <li>• Identify rendering settings in Revit</li> <li>• Demonstrate how to place and modify detail components and repeating details</li> <li>• Demonstrate how to create and modify filled regions</li> </ul>
Collaboration	<ul style="list-style-type: none"> <li>• Demonstrate knowledge about worksharing</li> </ul>

### Autodesk Revit Architecture 2011 Certified Professional

Topic	Objective
Modeling	<ul style="list-style-type: none"> <li>• Apply knowledge about Review Warnings in Revit</li> <li>• Identify and describe processes for accessing the materials library, creating new materials, and adding material information</li> <li>• Create an in-place mass</li> <li>• Apply an element by face</li> <li>• Define floors for a mass</li> <li>• Demonstrate how to generate a toposurface</li> <li>• Demonstrate how to model railings</li> <li>• Demonstrate how to use design options</li> <li>• Demonstrate how to create elements such as floors, ceilings, or roofs</li> <li>• Demonstrate how to create a stair with a landing</li> </ul>
Views	<ul style="list-style-type: none"> <li>• Demonstrate how to create a duplicate view for a plan, section, elevation, drafting view, etc.</li> </ul>
Elements	<ul style="list-style-type: none"> <li>• Create a vertically compound wall from a basic wall</li> <li>• Demonstrate how to create a stacked wall</li> <li>• Change elements within a curtain wall (grids, panels, mullions)</li> </ul>
Documentation	<ul style="list-style-type: none"> <li>• Demonstrate how to tag elements (doors, windows, etc.) by category</li> <li>• Identify rendering settings in Revit</li> <li>• Explain how to control which lights render</li> </ul>
Collaboration	<ul style="list-style-type: none"> <li>• Demonstrate how to copy and monitor elements in a linked file</li> <li>• Apply interference checking in Revit</li> <li>• Use project base points and survey points</li> </ul>



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