



## AutoCAD Civil 3D® 2009 Certified Associate Examination Overview

### Overview

The AutoCAD Civil 3D 2009 Certified Associate credential is designed to assess your knowledge of AutoCAD Civil 3D 2009. The questions you answer during the exam assess a working knowledge of the basic features and functions of the application, as well as specific skills that are appropriate for ensuring a base level of proficiency in the application. Earning Autodesk Certified Associate status qualifies you as having demonstrated the requisite knowledge and skills to accomplish fundamental application tasks.

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### AutoCAD Civil 3D 2009 Associate Exam

The AutoCAD Civil 3D 2009 Associate Examination is an on-line examination consisting of 30 questions that assess your knowledge of the tools, features, and common tasks in AutoCAD Civil 3D 2009. Question types include Multiple Choice, Matching, and Point and Click (Hotspot).

The exam has a one-hour time limit. At the conclusion of your exam, you will receive a comprehensive score report which includes information on the items you missed and where you can find information on that area in the corresponding Autodesk Official Training Courseware (AOTC). Your exam results will always be available online at <http://autodesk.starttest.com>. These results are confidential.

### Preparation



Passing the examination requires a working knowledge of the performance tasks listed below in Examination Sections and Objectives. You may purchase the **AutoCAD Civil 3D 2009: Essentials** to review the knowledge and skills assessed on the examination. This courseware is designed to teach the knowledge and skills assessed on the AutoCAD Civil 3D 2009 Certified Associate exam. This courseware is designed as a teaching tool for instructor-led courses as well as self-paced learning. In addition to the coursework, this manual encourages self-learning through the use of the AutoCAD Civil 3D Help system. The courseware includes student data files and a 30-day trial version of AutoCAD Civil 3D 2009.

## **Examination Sections and Objectives**

The AutoCAD Civil 3D 2009 Certified Associate examination includes 5 sections and 30 questions. Each section covers specific objectives.

### **Section 1: The AutoCAD Civil 3D Environment**

- List and describe the function of the four Toolspace components.
- Describe drawing templates.

### **Section 2: Working with Survey, Points, and Surfaces**

- Describe survey observation data.
- Describe how description keys organize imported data.
- Describe surfaces.
- Describe how breaklines are used for surface modeling.

### **Section 3: Site Design (Parcels, Alignments, Profiles, Assemblies and Corridors, Grading and Quantities, Pipes)**

- Describe the methods for creating parcels.
- List the guidelines for creating parcels.
- List the guidelines for labeling parcels and creating tables.
- List the guidelines for creating alignments.
- Describe surface profiles.
- Describe layout profiles.
- Explain when to use transparent commands.
- Describe subassembly parameters.
- Describe a corridor models and list its components.
- Describe the process for creating corridor surfaces.
- Describe feature lines.
- Describe grading objects.
- List the guidelines for creating pipe networks.

### **Section 4: Transportation (Alignments, Assemblies and Corridors, Sections and Quantities)**

- Explain criteria-based design.
- Describe criteria-based design and superelevation.
- Describe the process for mapping corridor targets.
- Describe how a code set style assigns rendered material styles to corridor links.
- Describe how you create sample lines from an alignment.
- Explain how you calculate corridor quantity takeoff.
- Describe quantity reports.
- Describe section views.

### **Section 5: Data Management**

- Describe the Create View Frames wizard pages and list the guidelines for using the wizard.
- Explain the function of data shortcuts and reference objects.
- Describe the typical workflow for working with Civil 3D and Vault.



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