



AutoCAD Civil 3D 2012 Essentials



Course Duration: 3 days

Award: AutoCAD Civil 3D 2012 Certified Associate

Course Description

This hands-on, foundation-level course covers the essentials of AutoCAD® Civil 3D® 2012 software, including how to manage survey data, create and analyze a surface, horizontal and vertical alignment design, model roads and corridors, calculate volumes and import and export data. The course fee includes Autodesk authorized courseware and the AutoCAD Civil 3D Certified Associate exam which may be taken at the end of the course.

Objectives

The primary objective of the course is to familiarize students with the concepts and application of the essential functions of AutoCAD Civil 3D. After completing this course, students should be able to

- Navigate the Civil 3D user interface
- Create, edit, analyze and view surfaces
- Create assemblies and corridors
- Use Civil 3D Grading tools
- Creating Boundaries using Parcels
- Import and manage survey data
- Create and edit alignments, profiles, and sections
- Calculate corridor volumes
- Understand pipe networks and layout tools

Who Should Attend

Civil Engineers, technicians or draughting personnel working with AutoCAD or Civil 3D and involved with road design and/or site development design.

Prerequisites

Students should have a working knowledge of AutoCAD 2006 or later and have a good understanding of Civil engineering principles for road and site design.

Course Content:

Surface Modeling

- Creating a Surface from survey data
- Editing and Analyzing a Surface
- Contour Labels

Road Design

- Creating and Editing Alignments
- Creating and Editing Profiles

Sharing Data

- Exporting Civil 3D Data for setting out
- Calculating Corridor Volumes & Quantities

Site Design

- Pipe catalogs & parts list
- Creating Pipe Networks
- Grading tools
- Creating boundaries using Parcels
- Earthworks volumes

Corridor Modeling

- Creating Assemblies
- Creating & editing a Corridor Model
- Creating and editing Cross-Sections

AutoCAD Civil 3D 2012 Certification

AutoCAD Civil 3D users can gain a competitive edge in their industries with AutoCAD Civil 3D Certification. Demonstrate your knowledge and skills to prospective employers and advance your career opportunities. The one-hour test comprises 30 multi-choice questions that assess your knowledge of the tools, features, and common tasks of AutoCAD Civil 3D 2012.



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