



Four-days, hands-on course covering the fundamentals of designing and modeling infrastructure within an intelligent, integrated Building Information Model. Going beyond basic picks and clicks training, our industry-experienced instructors focus on the design and documentation process within Civil 3D. Learn how to use the powerful tools within Civil 3D to create a coordinated BIM model

Prerequisite: Basic knowledge of Windows Operating System, drafting techniques, and computer keyboard skills.



## Course Outline

### Course Description

The AutoCAD® Civil 3D® Fundamentals training guide is designed for Civil Engineers and Surveyors who want to take advantage of AutoCAD® Civil 3D® software's interactive, dynamic design functionality. The AutoCAD Civil 3D software permits the rapid development of alternatives through its model-based design tools. You will learn techniques enabling you to organize project data, work with points, create and analyze surfaces, model road corridors, create parcel layouts, perform grading and volume calculation tasks, and layout pipe networks.

#### (The AutoCAD Civil 3D Interface)

##### Product Overview

- AutoCAD Civil 3D Workspaces
- AutoCAD Civil 3D User Interface
- AutoCAD Civil 3D Toolspace
- AutoCAD Civil 3D Panorama
- AutoCAD Civil 3D Templates, Settings and Styles

#### (Points)

- Points Overview
- Importing and Creating points
- Point style and Point Label style
- Managing Points

#### (Surfaces)

- Surface Process
- Surface Properties
- Contour Data
- Other Surface Data
- Breaklines and Boundaries
- Surface Editing
- Surface Analysis Tools
- Surface Labels
- Surface Volume Calculations
- Surface Analysis Display
- Point Cloud Surface Extraction

#### (Alignments)

- Roadway to Design Overview
- AutoCAD Civil 3D Sites
- Introduction to Alignments
- Alignments Layout Tools
- Alignment Properties
- Labels and Tables

#### (Profiles)

- Profiles Overview
- Create a Profile View Style
- Create Profiles from Surface
- Create Profile View Wizard
- Finished Ground Profiles
- Create and Edit Profiles

#### (Corridors)

- Assembly Overview
- Modifying Assemblies
- Creating a Corridor
- Corridor Properties
- Designing Intersections
- Corridor Surfaces
- Corridor Section Review and Edit

#### EARTHWORKS QUANTITIES

### Location:

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