



Overview

Course Length: 48 hours (*can be taken via flexible schedule in-center or remotely*)

Description: AutoCAD Civil 3D The Complete Guide is designed to give you a solid understanding of Civil 3D, its features, and capabilities, from the basics through to the most advanced and complex topics.

This course covers Working with points, Alignments, Pipe Networks, and Pressure Networks. AutoCAD Civil 3D is an engineering software used by civil engineers and other professionals to plan, design, and manage civil engineering projects. Using AutoCAD Civil 3D, infrastructure professionals can better understand project performance, maintain more consistent data and processes, and respond faster to change.

Course Objectives/Topics

New for AutoCAD Civil 3D

New Features Overview

Working with Points

Working with Points
Editing Point
Exporting and Importing Points

Feature Lines and Grading

Feature Lines
Grading

Working with Surfaces

Working with Surfaces
Adding to Surfaces
Editing Surfaces
Exporting & Sharing Surfaces

Surface Volumes and Analysis

Exporting & Sharing Surfaces
Surface Labels and Tables

Alignments

Creating Alignments
Alignment Labeling

Working with Profiles

Working with Profiles
Editing Profiles
Profile Labels

Working with Assemblies and Subassemblies

Working with Assemblies and Subassemblies
Subassemblies

Working with Corridors

Creating Corridors
Corridor Attributes
Corridors Editing
Corridor Analysis

Parcels

Parcels

Sample Lines, Sections, and Quantity Takeoffs

Sample Lines
Section Views
Section View Edits & Analysis

Pipe Networks

Pipes and Structures
Part Catalog
Pipe Network
Pipe & Structure Labeling

Pressure Networks

Pressure Networks
Pressure Network Properties
Pressure Network Labeling

Working with Plan Production Tools and Data Shortcuts

Working with Plan Production Tools and Data Shortcuts
Data Shortcuts

Practical practice and Projects

- Put what you learned to use. Put it all together with a final project of your choosing.

Prerequisites

- AutoCAD 3D Basic to take this course.

Audience

- Existing users to AutoCAD.

Please note that course material, content, structure and delivery methods are subject to change without notice.