

Autodesk® Civil 3D 2023 Level I Essentials

▶ Length

3 Days

▶ Cost

\$1,200 per person
(Dedicated group rates available)

▶ Level

Beginner / Intermediate

▶ Prerequisites

AutoCAD® 2020-2023 Level I (or equivalent)

...or...

6-12 months continuous AutoCAD® 2020-2023 experience

▶ Who Can Benefit From This Class

Civil design professionals who want to learn how to automate their engineering projects and processes using the intelligence of Civil 3D

▶ Hours

9:00am - 4:30pm EST
with an hour lunch break

▶ Additional Information

This class comes with a 100% Satisfaction Guarantee, provides AIA/CES Continuing Education Credits (CEUs), and each student receives a certificate of accomplishment. Please see our website for more information.

▶ CADD Community

As a benefit of training with us, you'll get 1 year of access to this class - PLUS all Autodesk classes - on-demand through the CADD Community. The training content & resources are proven to help refresh knowledge throughout the year.

DESCRIPTION

This class introduces the model-based design technology in Autodesk® Civil 3D® and provides the core for its application in civil engineering projects of any type. Students will examine the Autodesk Civil 3D interface and environment, the development of civil project data, and the application of settings and styles. A working knowledge of AutoCAD and standard Civil Engineering concepts is necessary.

CONTENT

Concepts and Environment

User Interface
Intelligent Objects
Using and Importing Object Styles

Project Management

File Formats
Drawing Creation
Data Sharing

Establishing Existing Conditions

Surface Creation from Existing Data
Adding Boundaries to Surfaces

Introduction to Road Design

Alignment Creation, Editing, and Annotating
Surface and Design Profile Creation
Typical Section Design
Corridor Generation and Targets
Corridor Surfaces

Proposed Ground

Feature Line and Breakline Creation
Grading Objects, Targets and Interaction
Combining Design Surfaces
Surface Annotation
Earthwork Volumes

Introduction to Pipe Layout

Gravity Network Creation
Display and Annotation of Gravity Parts in Profile
Pressure Network Creation
Display and Editing of Pressure Parts in Profile

Document Generation

Cross Section Sampling and View Creation
Plan and Profile Sheet Creation

LEARNING PATH

Prerequisites
AutoCAD and LT
Level I



**This
Class**



Future Training
Civil 3D Level I: Survey
Map 3D Level I: Essentials