

Autodesk InfraWorks Training Course

Course Overview

Course Length: 8-Hours

- 8-Hours – 4 x 2-hour training sessions
- Remote training over MS Teams
- Sessions are recorded and download links for each session are provided for future use
- Training for up to 1-3 people
- Sessions can start within 7 days upon ordering
- Flexible sessions (for example, consecutive or Monday, Wednesday, Friday)
- Courses are private and topics can be customised to suit
- Includes Certificate of Completion

The Autodesk InfraWorks Training Course teaches Fundamentals for Conceptual Design and Visualisation and is designed for people using any of the following software packages:

- Autodesk® InfraWorks®
- Autodesk® Architecture, Engineering and Construction Collection

This training course provides you with a fundamental knowledge of the accelerated design process that uses data-rich 3D models with high-end visualisations. This enables you to create, evaluate, and better communicate 3D site plan proposals for faster approvals.

Topics Covered

- Navigate the Autodesk InfraWorks user interface
- Create new models from scratch
- Incorporate existing data sources into the model
- Add essential design elements to the model, including conceptual roads, conceptual bridges, conceptual buildings, coverages and land areas for shaping terrain, pipe networks, conceptual railways, water features, and vegetation, vehicles, and other city furniture
- Display features according to the data behind the model
- Create new styles according to project requirements
- Analyse a model to ensure that project constraints are met
- Collaborate with other project team members
- Create high-impact visualisations of the project for better communication
- Generate videos by using storyboards

Prerequisites

A fundamental understanding and knowledge of civil engineering terminology.

Training Guide Contents

Chapter 1: Navigating the User Interface

1.1 Building Information Modelling

- 1.2 Overview of the Interface
- 1.3 Navigating the Model
- 1.4 Working with Proposals

Chapter 2: Connecting to Data Sources

- 2.1 Geographic Information Systems Overview
- 2.2 Connect to Data Sources
- 2.3 Configure and Display Data Sources

Chapter 3: Stylise Data Sources

- 3.1 Using Multiple Styles to Display Features
- 3.2 Overriding Style Rules
- 3.3 Create and Share Styles

Chapter 4: Create Model Elements

- 4.1 Basic Commands
- 4.2 Create Conceptual Roads in a Model
- 4.3 Create Coverages in a Model
- 4.4 Create Pipe Networks in a Model
- 4.5 Create Railways in a Model
- 4.6 Create Water Features in a Model
- 4.7 Create Land Areas (Preview)

Chapter 5: Add Model Details

- 5.1 Create Buildings in a Model
- 5.2 Create City Furniture in a Model
- 5.3 Add Vegetation to a Model
- 5.4 Add Miscellaneous Details to a Model

Chapter 6: Analysing the Model

- 6.1 Theme a Data Source
- 6.2 Suitability Maps
- 6.3 Line of Sight Analysis
- 6.4 Measure the Model
- 6.5 Analyse Shadows

Chapter 7: Collaborating with Others

- 7.1 Share Design Elements with Autodesk Civil 3D
- 7.2 Working with Autodesk Revit Models

Chapter 8: Communicate the Design to Stakeholders

- 8.1 Creating Images
- 8.2 Shared Views
- 8.3 Working with Storyboards