Civil 3D Fundamentals: Road Engineering

COURSE DESCRIPTION

This Civil 3D training course is designed for Civil Engineers who want to take advantage of the interactive, dynamic design functionality inside of Civil 3D. Autodesk Civil 3D design software is the ideal tool for civil engineers to design and model complex infrastructure projects in a familiar and intuitive AutoCAD environment. The course will teach you how to organise project data, model roads with superelevation and transitional geometry, create and analyse surfaces, and analyse and edit corridor models. This course covers the more detailed aspects of the software for Road Engineers.

COURSE MODULES

- AutoCAD Civil 3D Overview and User Interface
- Creating, Editing and Analysing Surfaces
- Linear Structures (Road, Footpaths, Walls etc)
  - Creating Alignments (Horizontal Design)
  - Creating Profiles (Vertical Design)
  - Assemblies and Subassemblies (Construction Geometry)
  - Creating Transitional Geometry
  - Corridor Modelling
  - Modelling Superelevation
  - Handling Varying Width Corridors
  - Working Multiple Baselines and Regions
  - Creating a Simple Junction
- Corridor Volume Calculations
- Creating Gravity Pipe Networks
- Creating Data Shortcuts
- Producing Plan Production Drawings
- Producing Setting Out Information

OTHER INFORMATION

Prerequisites

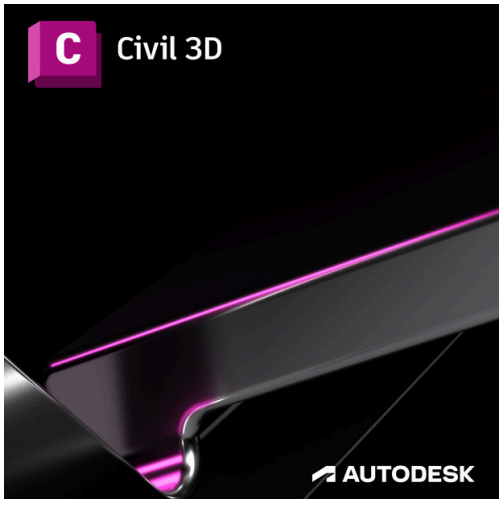
Experience with AutoCAD, a good understanding of the Microsoft Windows Environment and Road Engineering principals.

Course Duration

2 Days

Next Steps

Optional development routes or a bespoke course.



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