



NIMET

Mechanical, Electrical and Piping/Plumbing Software course in Construction Industry

Qualification: AutoCAD Civil 3D

Qualification Level: Autodesk Professional Certificate

Duration: 12 Days of training

This course will develop you to be proficient and understand computer design skills in Construction Industry and its functions on how to use it in the Industry in different Business world applications.

Admission Requirements:

Full Matric or Grade 12 certificate or Matric equivalent qualification

Content

INTRODUCTION TO CIVIL 3D

- Product Overview
- AutoCAD Civil 3D workplaces
- AutoCAD Civil 3D User Interface
- AutoCAD Civil 3D Tool space
- AutoCAD Civil 3D Panorama
- AutoCAD Civil 3D Templates, Settings, and Styles
- Practices

PARCELS

- Lines and Curves
- Introduction to Parcel
- Creating and Editing Parcels by layout Overview
- Creating and Editing Parcels
- Renumbering Parcels
- Parcel Reports
- Parcel Labels
- Parcel Tables
- Practices

SURFACES

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

PROJECT MANAGEMENT

- AutoCAD Civil 3D Projects
- Sharing Data
- Using Data Shortcuts for Project Management
- Practices

SURVEY

- Survey Workflow Overview
- Survey Figures
- Points Overview
- Points Setting
- Creating Points
- Description Key Sets
- Importing Survey Data
- Point Groups
- Reviewing and Editing Points
- Point Reports
- Practices

ALIGNMENTS

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





PROFILES

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

GRADING

- Grading Overview
- Feature Lines
- Grading Tools
- Modifying AutoCAD Civil 3D Grading
- Practices

QUANTITY TAKE OFF/SECTIONS

- Sample Lines Groups
- Section Volume Calculations
- Pay Items
- Section Views

CORRIDORS

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

PIPE NETWORKS

- Pipes Overview
- Pipes Configuration
- Creating Networks from Objects
- The Network Layout Toolbar
- Network Editing
- Annotating Pipe Networks
- Pressure Pipe Networks
- Practices

PLAN PRODUCTION

- Plan Production Tools
- Plan Production Objects
- Plan Production Objects Edits
- Creating Sheets
- Sheet Sets
- Practices

- On successful completion of the programme, the student will receive an International Autodesk Certificate through Modena.
- Course fees: R5000. These study fees include the cost for study material but excluding international Exams cost.
- The qualification is computer based
- 50% of the fees must be paid to complete registration

Disclaimer:

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