

AutoCAD Civil 3D - Grading Training

COURSE CONTENT

GET IN TOUCH



Multisoft Systems
B - 125, Sector - 2, Noida



(+91) 9810-306-956



info@multisoftsystems.com



www.multisoftsystems.com

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

AutoCAD Civil 3D – Grading Training by Multisoft Systems is designed for civil engineers, designers, and drafters aiming to master grading design for land development, roadworks, and site modeling projects. This comprehensive course focuses on using Civil 3D's powerful grading tools to create accurate, dynamic surfaces and perform detailed earthwork analysis.

Module 1: Introduction to Grading

- ✓ Overview
- ✓ Tools in AutoCAD Civil 3D
- ✓ Settings and Defaults
- ✓ Feature Line Styles
- ✓ Grading Group Styles
- ✓ Grading Criteria Sets
- ✓ Surface Styles
- ✓ Sites Overview

Module 2: Parcel Grading

- ✓ Setting Parcel Line Elevations
- ✓ Retaining Walls
- ✓ Editing Surfaces
- ✓ Feature Line Interactions with Parcel Lines

Module 3: Building Pad Design

- ✓ Feature Lines Overview
- ✓ Create Feature Lines from Objects
- ✓ Grading Creation Tools
- ✓ Editing the Grading
- ✓ Grading Volume Tools

Module 4: Parking Lot Design

- ✓ Draw Feature Lines
- ✓ Create a Temporary Surface
- ✓ Edit Feature Line Geometry
- ✓ Copy or Move Feature Lines from One Site to Another
- ✓ Create a Transitional Grading Group

- ✓ Create a Grading Surface
- ✓ Add Feature Lines to a Grading Surface

Module 5: Parking Lot Option

- ✓ Assembly Overview
- ✓ Modifying Assemblies
- ✓ Creating a Corridor
- ✓ Corridor Properties
- ✓ Corridor Editing
- ✓ Reversing Feature Lines
- ✓ Corridor Surfaces

Module 6: Pond Design

- ✓ Feature Line Review
- ✓ Edit Elevations
- ✓ Create Feature Lines from Corridors
- ✓ Edit Geometry
- ✓ Creating Complex Grading Groups
- ✓ Pond Staging Volumes

Module 7: Combining Surfaces

- ✓ AutoCAD Civil 3D Projects
- ✓ Sharing Data
- ✓ Data Shortcuts

Module 8: Using InfraWorks for Visualization

- ✓ Building Information Modeling
- ✓ Overview of the Interface
- ✓ Creating an InfraWorks Model

- ✓ Connect to Data Sources
- ✓ Configure and Display Data Sources
- ✓ Share Design Elements with Autodesk Civil 3D
- ✓ Create Water Features in a Model
- ✓ Create City Furniture in a Model
- ✓ Add Vegetation to a Model