



Unit H Civil 3D – Site Development

1 Day Course

Who Should Attend?

This course has been devised for engineers who are primary involved in site development and earthworks design. The course will demonstrate, through worked examples, how to create simple and complex earthworks designs using Civil 3D's extensive feature line, grading and surface creation tools.

Attendees must have a good working knowledge of AutoCAD Civil 3D and have attended an AutoCAD Civil 3D Essentials training course.

Objectives

After completing this course delegates will be able to effectively use the range of site development tools within AutoCAD Civil 3D.

Agenda

Note: We normally train on the latest version.

During the course delegates will cover:

Agenda Topics:

1. Basic Surface Creation (Recap)

- Create a surface – various methods
- Editing Surfaces
- Surface Styles
- Surface Properties
- Annotating Surfaces

2. Feature Lines

- Feature Line creation
- Feature Lines from objects
- Feature lines from X-refs
- Editing Feature Lines
- Feature Line styles

3. Grading Creation Tools (Basic)

- Grading Toolbar
- Grading Groups
- Use of Sites
- Grading Surfaces
- Grading Criteria

4. Grading Creation Tools (Advanced)

- Grading Transitions
- Multiple slope/berm Gradings
- Adding Feature Line to a Grading Surface
- Editing Gradings

5. Grading Volume Tools

- Calculate Volumes
- Balance Volumes

6. Advanced Grading Tools

- Use of temporary surfaces
- Grading Profiles
- Grading Assemblies

The above may be varied to suit client's preferences and requirements.

Qualifications

On completion of the course you will be presented with an Autodesk Authorised Training Certificate.



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