

Civil 3D Previous Experience Fast-Track Program

Build on your existing AutoCAD skills to design and coordinate civil engineering projects using Civil 3D. This program teaches how to develop roads, highways, railways, bridges, and tunnels through hands-on, project-based learning.

Group classes in Live Online and onsite training is available for this course.

For more information, email partnerships@vdc.edu or visit:

<https://vdc.nobledesktop.com/courses/civil-3d-previous-experience-fast-track-p>



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Course Outline

This package includes these courses

- Intermediate Civil 3D: Surveying and Mapping (30 Hours)
- Intermediate Civil 3D: Transportation Design (30 Hours)
- Intermediate Civil 3D: Land Development (30 Hours)

Intermediate Civil 3D: Surveying and Mapping

In this course you will become familiar with survey and COGO points, point marker and label styles, point groups, linework code sets, figure prefix databases, survey imports, parcels, sites, parcel labels, TIN surfaces, surface labels, and surface analysis.

- Create, label, and modify points, then organize points into point groups
- Prepare Civil 3D description key sets, linework code sets, and figure prefix databases
- Perform a survey import, create, and subdivide parcels
- Modify parcel display styles and label parcels areas and segments
- Create parcel tables and a TIN surface
- Label a surface and edit surface definitions
- Perform a surface analysis

Intermediate Civil 3D: Transportation Design

In this course you will become familiar with alignments, surface profiles, design profiles and view windows, assemblies, corridors, intersections, sample lines, cross sections, and 3D visualization.

- Create multiple types of alignments
- Develop surface and design profiles
- Adjust profile view windows

- Label both alignments and profiles
- Build corridors with the required sub-elements and create a cul-de-sac
- Create an intersection corridor and create sample lines along a corridor
- Display cross sections
- Visualize a roadway in a 3-dimensional drive through

Intermediate Civil 3D: Land Development

In this course you will build drawing template files, utilize data shortcuts, work with feature lines, learn about site interactions, create grading groups, lay out pipe networks, and draft pressure networks.

- Create multiple Civil 3D object and label styles
- Develop a custom drawing template file
- Manage data shortcuts
- Create and edit feature lines and grading groups
- Learn about pipe and pressure parts catalogs
- Layout pipe and pressure networks
- Annotate pipe and pressure networks
- Create a custom drawing sheet