

AutoCAD Civil 3D

Intermediate



Course Description

The Civil Survey Solutions AutoCAD 3D Intermediate course is designed to help you get past the steepest part of the learning curve and teach you some guru-level tricks along the way. This course extends your learning into topics not covered in the fundamentals including more advanced grading, creating design profiles, plan production, corridor design, generating cross sections, volume reports and much more.

This course (in addition to the courseware) will help you build or enhance your skills, prepare for the Civil 3D Certified Professional exam and get a jumpstart on working effectively with Civil 3D.

Course Duration:	2 Days
Delivery:	Instructor led - maximum 6 participants
Course Times:	9:00 am - 5:00 pm
Software Used:	AutoCAD Civil 3D

Prerequisites

Prior to attending this course you should have:

- A strong working knowledge of Civil 3D for creating points, surfaces, alignments, basic site gradings
- Completed the AutoCAD Civil 3D Fundamentals course or proven skills in using Civil 3D for all topics not being covered in this course

Upon completion you will be issued with a **Civil Survey Solutions Certificate of Training.**



Course Objectives

- **Use AutoCAD Civil 3D profiles at an expert level including:**
 - Management of view and object displays i.e. hatching
 - Profile design and editing
 - Superimposing profiles
 - Object projection onto profiles
 - Managing profile views
- **Create and edit assemblies used in the creation of corridors**
 - Assembly creation process
 - Review subassembly types
 - Create and edit subassemblies
- **Create and edit corridors with varying cross sections**
- **Generate cross section drafting outputs, including controlling the display**
- **Generate quantities for corridor designs**
- **Create cross section views**
- **Use the intersection tools to create and edit intersections for profile match - in grading and corridor creation**

Topics Covered

- **AutoCAD Civil 3D styles - Beyond the Basics**
- **Super elevation design controls**
- **Vertical alignment profile design**
- **Corridors by alignments, profiles and assemblies**
- **Cross section sample lines group**
- **Cross section views**
- **Subassemblies and assemblies - the basic building blocks for corridors**
- **Corridor properties - building complex corridor models**
- **View / edit corridor sections**
- **Intersection design**