

## General Information:

**Duration:** 4 days

**Prerequisite:** AutoCAD Introduction

**Courseware:** Included

**Achievement:** Certificate

**Time:** 8:30 am - 4:30 pm

**Locations:** All courses are offered online, on-site, or in-person at SolidCAD training facilities across Canada, including:

Burnaby, BC  
Calgary, AB  
Edmonton, AB  
Winnipeg, MB  
Richmond Hill, ON  
Montreal, QC  
Quebec City, QC  
Dartmouth, NS

## Pricing, Registration &

**Scheduling:** Please contact our training coordinator at 1-877-438-2231 x227 or via email at [training@solidcad.ca](mailto:training@solidcad.ca)

## Complete course listing:

[www.solidcad.ca/training](http://www.solidcad.ca/training)

## Course Description:

Civil 3D Fundamentals teaches how functionality permits the rapid development of alternatives through model-based design tools. Users will learn techniques for organizing project data, working with points, creating, and analyzing surfaces, modeling road corridors, creating lot fabric using parcels, performing grading and volume calculation tasks, laying out pipe networks, and setting up automated plan production.

After completing this course, users will be familiar with the Civil 3D tools and functionalities required to create land development sites, subdivisions, grading, roads, and drainage systems.

## Learning Objectives:

- Master Learn the Civil 3D user interface
- Create and manage points and point groups
- Import and work with survey data to automate linework creation
- Create, edit, view, and analyze surfaces
- Create and edit alignments
- Create data shortcuts and manage project data efficiently
- Create sites, profiles and cross-sections
- Create assemblies, corridors, and intersections
- Create complex grading solutions
- Create, edit, and analyze pipe networks
- Perform quantity takeoff and volume calculations
- Utilize plan production tools to automate the creation of plan profiles sheets

## Supplemental Learning:

- Civil 3D for Transportation Design Professionals
- Civil 3D Quantity Takeoff
- Civil 3D Storm and Sanitary Analysis
- Civil 3D Production and Detailing
- Autodesk Vehicle Tracking
- InfraWorks Professional
- Civil 3D Subassembly composer
- Dynamo for Civil 3D

# Civil 3D Fundamentals