

## Course Details:

**Duration:** 1 Day

**Prerequisite:** Working knowledge of Civil 3D

**Courseware:** Included

**Achievement:** Certificate

**Time:** 9:00 a.m. - 5:00 p.m.

## General Information:

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

Burnaby, BC  
Calgary, AB  
Edmonton, AB  
Regina, SK  
Winnipeg, MB  
Richmond Hill, ON  
Ottawa, ON  
Toronto, ON  
Quebec City, QC  
Montreal, QC  
Hanwell, NB  
Halifax, NS

Alternatively, training can be conducted on-site for a specific client or at a 3rd party facility in any city or province

## 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:

You are not a programmer; you are an engineer or a design professional. You need to take Civil 3D to the next level of automation and efficiency. This course will get you started in automatically creating, modifying and reporting hundreds or thousands of objects in seconds, turning tedious tasks into just a few clicks. By the end, you will be able to connect data between drawings and data sources to get impressive results and minimize risk. This course is a steppingstone to mastering the Dynamo visual programming platform which gives access to a new standard of design drafting automation.

## Learning Objectives:

- Dynamo User Interface
- Dynamo Terminology and Concepts
- Installing and Updating Dynamo and Add-ons
- Selecting, Modifying and Creating AutoCAD/Civil3D Objects
- Importing and Exporting Excel data
- Understanding Lists, List Levels and Lacing
- Civil3D, Math, Logic and Geometry Functions
- Introduction to Code Blocks
- Dynamo Best Practices

## Example Graphs to be investigated:

- Creating Lot and Building Corner COGO Points and Exporting Their Point File
- Creating Multiple Surfaces from Reference Complete with Summary Report and Point Files

## Supplemental Learning:

- Civil 3D Grading
- Civil 3D Quantity Takeoff
- Civil 3D for Transportation Design Professionals
- Civil 3D Subassembly composer
- Dynamo for Revit