

Course Details:

Duration: 1 Day

Prerequisite: AutoCAD Civil 3D

Courseware: Included

Achievement: Certificate

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

General Information:

Locations: Courses are hosted at 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

Complete course listing:

www.solidcad.ca/training

Course Description:

Storm and Sanitary Analysis is an advanced, powerful, and comprehensive modeling package for analyzing and designing urban drainage systems, storm water sewers, and sanitary sewers. This training program is designed to provide a comprehensive overview of Storm and Sanitary Analysis capabilities for design engineers, project managers, and municipal engineers of all experience levels who analyze, design, or review urban drainage storm water and wastewater infrastructure.

Upon completion of this course, participants will have a comprehensive knowledge of the Storm and Sanitary Analysis software and will be able to create, maintain, run, and analyze storm water and wastewater models with complete confidence.

Learning Objectives:

- Stormwater fundamentals that underlie Autodesk SSA
- Model theory, standard applications, limitations
- In-depth, step-by-step model building exercises
- Constructing pipe networks in AutoCAD Civil 3D
- Importing and exporting (round tripping) data with Civil 3D
- Importing aerial orthophotos, CAD drawings, GIS, and other data
- Defining element prototypes
- Defining rainfall and precipitation data, applying rainfall design storms
- Various hydrology and time of concentration methods
- Determining time of concentration (Tc)
- Computing composite Curve Numbers
- Curb and gutter inlet capacity, design, and analysis
- Pipe network, open channel, culverts, manholes, and storage structures
- Connected ponds
- Hydraulic and energy grade lines and animation visualization
- Determining system capacity and locating system deficiencies
- Reviewing and interpreting analysis results
- Model comparisons between pre-developed and post drainage systems
- Generating engineering reports