

## Course Details:

**Duration:** 2 Days

**Prerequisite:** Proficiency in water engineering modeling, along with a fundamental understanding of hydraulics and hydrology engineering.

**Courseware:** Included

**Achievement:** Certificate

**Time:** 8:30 a.m. – 4:30 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  
Montreal, QC  
Quebec City, QC  
Hanwell, NB  
Halifax, 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)

## DESCRIPTION

InfoWorks ICM provides a single simulation engine that fully integrates 1D and 2D simulation of drainage networks, open channels, rivers and floodplains. InfoWorks ICM can be used to model manholes, pipes, inlets, natural channels, man-made channels and rivers for complete integration of above and below ground elements. The resulting model contains common hydrology and can include both catchment and floodplain data.

The goal of this training course is to familiarize new and existing InfoWorks ICM users with the new interface including version control, scenarios, and the new simulation server, as well as introduce the principles and data requirements of 2D modelling. This two-day course will focus on stormwater modelling, covering hydrology, 1D and 2D hydraulics, as well as taking the modeler through more advanced elements of Integrated Catchment Modelling. Attendees will learn the most efficient way of setting up models, analyzing the results and reporting.

## LEARNING OBJECTIVES

- Database Setup
- Project Data Setup
- Sub-catchment Hydrology
- 1D Network Hydraulics
- Rainfall Data
- Simulating and Reviewing Results
- Creating a 2D River Model
- 2D Linear Structures & 2D Simulation
- 2D Results Analysis
- Basic 1D - 2D Models
- Refining 1D-2D Model
- Model troubleshooting

## SUPPLEMENTAL LEARNING

- InfoWorks ICM - Sanitary Sewer