

## Course Details:

**Duration:** 3 Days

**Prerequisite:** Inventor Introduction training or equivalent experience

**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:

Inventor Intermediate is a continuation of the Inventor Introduction program and is recommended for every Inventor user. With a more in-depth focus on productivity, this program explores essential functionality not covered at the introduction level. The additional functions and techniques will help users gain a better overall understanding of Inventor while improving their design efficiency.

Upon completion, users will have a comprehensive knowledge of Inventor.

## Learning Objectives:

- Derived designs.
- Top-down design.
- Model Simplification.
- Assembly Substitutes.
- Representations: View, Position, and Level of Detail.
- Adaptive design: Overview, cross-part projections, adapt parts and features, and adaptive assemblies.
- Model-Based Definition (MBD): Adding annotations, GD&T, and other manufacturing information directly into a 3D part.
- Design accelerators: Bolted connection, shaft generator, bearing generator, and belt generators.
- BIM exchange to Revit.
- Shape Generator: Topology optimization using Generative Design.
- Frame design: Creating and modifying frames and custom profiles.
- Welded design: Creating and documenting weldments.
- Advanced bill of materials.
- Connected Design and Autodesk Drive collaboration.

## Supplemental Learning:

- Inventor for CAD Administrators.
- Inventor Advanced Part Design.
- Inventor Productivity.
- Inventor Sheet Metal.
- Inventor Simulation & Analysis.
- Inventor Design Automation.
- Inventor Tube & Pipe Design.
- Inventor Cable & Wire Harness.