

## Course Details:

**Duration:** 4 Days

**Prerequisite:** Completion of AutoCAD Introduction or equivalent

**Courseware:** Included

**Achievement:** Certificate

**Time:** 9:00am - 5:00pm

## 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  
Vaughan, ON  
Etobicoke, ON  
Toronto, ON  
Quebec City, QC  
Montreal, QC  
Hanwell, NB

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:

AutoCAD Electrical Introduction program teaches the use of AutoCAD Electrical for creation of electrical control schematics and footprints, following the industry-standard “ladder-style” diagrams. Through the use of intelligent, electrical-oriented workflow, students will learn to create schematic drawings, panel layouts and various reporting tools.

Upon completion, the users will have gained a solid understanding of AutoCAD Electrical, enabling them to take advantage of the time-saving capabilities of the software to create electrical designs efficiently and accurately.

## Learning Objectives:

- Project Configuration & Settings
- Drawing Settings, Formatting and Styles
- Project Manager, User Interface and Customization
- Schematic Drafting & Basic Electrical Workflow
- Schematic Editing Tools
- Wire Creation & Numbering
- Source / Destination symbols and Cross-Referencing
- Creating & Re-using Standard Circuits
- Panel Layout Tools
- Terminal Blocks and DIN rails
- Terminal Strip Editor
- Working with PLCs (Parametric vs. Full Units)
- Symbol Creation (Customizing, Authoring & Importing)
- Titleblocks and Templates (Customizing & Updating)
- Reporting Tools (Bill of Materials, Cable/Wire Lists, From/To, etc.)
- Project-wide Productivity Tools (Re-Tag, Re-Number, Swap, etc.)
- Plotting and Project Archiving

## Supplemental Learning

### AutoCAD Electrical Advanced Training (customized)

- Database customization (Catalog, Footprint Lookup, Pin Lists, etc.)
- Working with customization files (.env, .wdl, .wdi, .wdr, etc.)
- Creation of custom PLC modules
- Integration with Inventor and Vault Basic / Professional