

## Course Details:

**Duration:** 3 Days

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

**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)

## Course Description:

AutoCAD Electrical Open Enrollment 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 Manager, User Interface and Customization
- Schematic Drafting & Basic Electrical Workflow
- Schematic Editing Tools
- Wire Creation & Numbering
- Source / Destination symbols and Cross-Referencing
- Inserting Components & Working with the Catalog Browser
- 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 & Updating)
- Automatic Titleblock Updating
- Reporting Tools (Bill of Materials, Cable/Wire Lists, Components list, etc.)
- Project-wide Productivity Tools (Copy Project, Re-Tag, Re-Number, etc.)
- Plotting and Publishing
- Project Configuration & Settings
- Drawing Settings, Formatting and Styles

## Supplemental Learning:

### AutoCAD Electrical Customized Training

- Electrical workflow optimization & best practices
- Database customization (Catalog, Secondary, Footprint Lookup, etc.)
- Working with customization files (.wdl, .wdi, .wdr, etc.)
- Setting up a Shared Network Environment (.env)
- Creation of custom PLC modules
- Integration with Inventor and Vault Basic / Professional
- Integration with Inventor Professional (electro-mechanical link)