

AutoCAD Electrical 2017 Advanced

A three day, twenty-four hour course working with AutoCAD Electrical 2017 databases, software and project settings and configuration, software utilities (Reporting Tools and Project/Drawing Update Tools) and creating/using templates. In addition to the aforementioned software functions this course will cover symbol creation, PLC symbol customization and the use of terminals and other miscellaneous symbols. A working knowledge of AutoCAD Electrical basics is preferred. An understanding of database software or specifically experience with Microsoft Access Database software will be helpful.

| | | |
|---|--|---|
| <p>Module 1 – Schematics II Multi-wire & Circuits</p> <ul style="list-style-type: none"> • Create a smart line between components • Insert a 3-phase Ladder and several wires • Insert cable markers • Build a circuit based on information selected in a list | <p>Module 2 – Panel Drawings</p> <ul style="list-style-type: none"> • Insert a panel footprint from an icon menu and from a schematic component list • Edit a panel footprint • Assign item numbers to footprints • Attach a balloon and a leader to a panel footprint | <p>Module 3 – Terminals</p> <ul style="list-style-type: none"> • Insert a link terminal symbol to convert them into multiple level terminals • Insert multiple instances of the same component on multiple wires • Add jumpers to terminals and manage their relationship • Modify terminals |
| <p>Module 4 – PLC Symbols</p> <ul style="list-style-type: none"> • Deep Dive of PLC symbols • Generate multiple drawings documenting PLC modules and their connecting components | <p>Module 5 – Point-to-point Wiring Drawings</p> <ul style="list-style-type: none"> • Insert parametric connector to an individual drawing or across multiple drawings • Modify the geometry and pin placement of an existing connector • Insert a splice symbol to an existing wire | <p>Module 6 – Symbol Creation</p> <ul style="list-style-type: none"> • Create AutoCAD Electrical Symbols • Identify symbols by their naming conventions and modify the library search paths • Insert a submenu trigger and a symbol icon • Add and modify an entry in the catalog database |
| <p>Module 7 – Reporting Tools</p> <ul style="list-style-type: none"> • Save report on various external file formats • Configure and save the report format settings to a file and then create multiple reports using the report files • Scan all of the drawings in the active project for issues | <p>Module 8 – Settings and Templates</p> <ul style="list-style-type: none"> • Modify the settings and formatting for an individual drawing or an entire project • Compare and match a drawings properties to the projects properties • Modify the configurations and default values for panel drawings | <p>Module 9 – Drawing Update Tools</p> <ul style="list-style-type: none"> • Reset data in project drawings • Export data from the drawings to a file • Modify component and wire data in drawings from the external file • Replace a component symbol block with a different block |

When: Fridays, March 17, 24, and 31st from 8:00 am to 4:00 pm

Where: Northwest State Community College, Archbold, Ohio, Room E118

Cost: \$875.00 per student - AMC Member \$795.00 per Student, Continental Breakfast & Lunch Provided

To register email twolf@northweststate.edu or by phone 419-267-1219