

AutoCAD Electrical Syllabus	
Session	Topics
Session 1	<ul style="list-style-type: none"> • Introduction <ul style="list-style-type: none"> ○ AutoCAD Electrical ○ GUI • Project <ul style="list-style-type: none"> ○ Introduction to Project Manager ○ Working with Projects • Drawing <ul style="list-style-type: none"> ○ Adding a Drawing ○ Create a new Drawing ○ Drawing Properties • Insert a Component • Connecting a component
Session 2	<ul style="list-style-type: none"> • Create a Library Symbol • Symbol Builder • Circuit Builder <ul style="list-style-type: none"> ○ Inserting a One-line Motor Circuit ○ Inserting a Dual One-line Power Feed Circuit • Copy circuitry • Save circuit to icon menu
Session 3	<ul style="list-style-type: none"> • Component Tools <ul style="list-style-type: none"> ○ Inserting Components ○ Relocating Components ○ Inserting a Child Components ○ Aligning and Editing the Components ○ Catalog Information
Session 4	<ul style="list-style-type: none"> • Component Attribute Tools • Wires <ul style="list-style-type: none"> ○ Wire layers ○ Wire types ○ Insert wire ○ Modify wire
Session 5	<ul style="list-style-type: none"> • Signal Arrows

	<ul style="list-style-type: none"> ○ Source arrow ○ Destination arrow ● Ladder tools ● Wire numbers <ul style="list-style-type: none"> ○ Automatic wire numbers ○ Wire tagging ○ PLC I/O wire numbers ● Wire Number Edit
<p>Session 6</p>	<ul style="list-style-type: none"> ● PLC <ul style="list-style-type: none"> ○ Generate PLC Layout Modules ○ PLC parametric selection ○ Module layout ○ Insert PLC modules ○ Edit PLC module ○ PLC Database File
<p>Session 7</p>	<ul style="list-style-type: none"> ● Point to Point Wiring Tools <ul style="list-style-type: none"> ○ Introduction to Connector Diagrams ○ Inserting Connectors ○ Editing & Modifying Connectors ○ Link components by dashed lines ● Grouping Wires
<p>Session 8</p>	<ul style="list-style-type: none"> ● Conversion tool <ul style="list-style-type: none"> ○ Convert text ○ Convert block ○ Convert wires ○ Convert arrows ○ Special Explode ● Panel Layout <ul style="list-style-type: none"> ○ Foot Prints ○ Footprints from Schematic list ○ Footprints from icon menu ○ Din rails ○ Balloons ○ Wire Annotations ○ Create Assembly ○ Editing & Modifying Footprints

	<ul style="list-style-type: none">○ Creating Own Footprint● Terminals<ul style="list-style-type: none">○ Placing a Terminal○ Terminal Editor
Session 9	<ul style="list-style-type: none">● Audit<ul style="list-style-type: none">○ Missing Catalog○ Electrical Audit○ Signal Error/ List○ Drawing Audit● Generate Reports<ul style="list-style-type: none">○ Types of schematic reports○ Generate a schematic report○ Types of panel reports○ Generate a panel report○ Run automatic reports○ Automatic report generation● Import/Export<ul style="list-style-type: none">○ To Spreadsheet○ From Spreadsheet
Session 10	<ul style="list-style-type: none">● Project