

Electrical Training Track

Electrical Assessment (Optional)

An optional 12-hour course to assess the electrical skills of technicians.

Electrical Basics

A 24-hour introductory course on the fundamentals of basic electrical theory, control panels, component identification, motor design and application. Also includes a snapshot of electrical schematic diagram analysis and teaches the proper use of multi-meters.

Electrical Advanced Theory and Drawings

A 24-hour intermediate course that covers DC logic, sensors and troubleshooting. Also includes control panels, motor starters and digital/analog sensors.

Motor Controls

A 24-hour course on commercial electrical motors including components, electrical circuits, variable frequency drives, starters and controls. Introduction on electrical motor theory as well as an opportunity for practical hands-on application.

Electrical Troubleshooting

A 24-hour electrical troubleshooting course integrating all concepts and principles covered in previous electrical courses using a systems-wide approach involving many different industrial components.

Variable Speed Frequency Drives

A 24-hour course to guide and assist technicians in the proper steps to install, operate and troubleshoot problems with VFD's. Prerequisite: Electrical Troubleshooting

PLC & Sensors Troubleshooting

A 24-hour course to troubleshooting circuits that includes PLC's and variable speed drives with multiple inputs/outputs and complex circuit drawings. Prerequisite: Electrical Troubleshooting & VFD