



Multi-Craft Industrial Maintenance Program - Level 1

The purpose of the 132-hour course is to provide participants with an opportunity to increase their knowledge and skills in several primary areas of industrial maintenance. Upon successful completion of this program and a comprehensive final assessment, participants will receive a non-credit certificate of completion from Chattahoochee Technical College.

Electrical Maintenance (90 Hours)

Module 1 - Introduction (24 hrs) Basic Electricity, Safety and Arc Flash, Electrical Measurement

Module 2 - Industrial Motors (18 hrs) Electric Motor Fundamentals, Types of Electric Motors, Electric Motor Nomenclature and Wiring

Module 3 - Industrial Wiring & Conductors (24 hrs) Using the National Electrical Code Overload Protection, Conductor Sizing and Conduit Design

Module 4 - Motor Controls (24 hrs) Contactors, Relays, and Motor Starters, Sensors and Controls, Basic Motor Control Circuits

Mechanical Maintenance (42 Hours)

Module 1 - Introduction (6 hrs) Mechanical Safety, Machines, Lubrication, Bearings

Module 2 - Hydraulics and Pneumatics (24 hrs) Pneumatic and Hydraulic Principles
Pneumatic and Hydraulic Systems, Control Devices and Actuators

Module 3 - Power Transmission (6 hrs) Chain Drives and Belt Drives

Module 4 - Equipment Handling (6 hrs) Lifting tools and equipment Cranes and Rigging, Powered Industrial Trucks for Maintenance

Course Fee: \$1,980 per person Entire Session
\$1,399 per person Electrical Maintenance Only (Jan 17-March 28)
\$ 699 per person Mechanical Maintenance Only (April 11– May 9)

Next Session: Thursdays, January 17, 2019– May 9, 2019 *Class is sold out
8:00 am - 4:30 pm
North Metro Campus, Acworth GA - Building C, Room 300

For more information or to register for this training call 770-529-2345 or email
CorporateTraining@ChattahoocheeTech.edu

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