

IBT ELECTRICAL 101 ACADEMY

IBT's popular two-and-a-half day training school that covers electricity and electrical devices in industry will be offered Tuesday, February 21 through Thursday, February 23, 2012 at IBT CDC in Merriam, KS.

Led by IBT's Electrical Group Product Specialists, the course is designed to increase the knowledge base and comfort level of facility maintenance technicians, purchasing personnel and machine operators responsible for electrical equipment maintenance.

For the course, instructors will draw upon a background that averages more than twenty years of specialization in the application and distribution of electrical equipment and supplies to industry. Class content will supply the basic building blocks of information that everyone who works with electricity should know.

Tuition for the Electrical Training class is \$ 595 per student. All training materials and lunches are included. Each attendee will receive a free Amprobe ACD-16 TRMS Pro 1000A Datalogging Clamp-on Multimeter. The Amprobe meter has a retail value of \$ 175.

Classes will run from 8:30 a.m. until 4:30 p.m. on the first two days and from 8:30 a.m. until 12:00 p.m. on the third day. Classwork will include lecture/discussion, wiring labs and knowledge review tests.

IBT can arrange for reasonably priced overnight accommodations for students in the area.

The curriculum is scheduled as follows:

DAY 1

Basic Electricity
AC/DC
Voltage/Hertz
Transformers/Power Supplies
Basic Symbols
Basic Control Devices & Logic
Circuit Breakers/Fuses
Contactors/Relays
IEC vs. NEMA
Overload-Starters
Push Buttons
Line Diagram
2 Wire Wiring Exercise
3 Wire Wiring Exercise
Sensors/Limit Switches
Using a Meter for Safety & Troubleshooting

DAY 2

Motor Basics
Single Phase/Three Phase
Wire Lab Motor Wiring Open Drip/TEFC/
Explosion Proof
Soft Start Basics
What You Really Should Know
Variable Frequency Drive (VFD) Basics
When Should a VFD Be Used
Good/Bad Applications for Soft Starts & VFDS
Basic Set Up
Basic Trouble Shooting

DAY 3

Surge Suppression
NEC Code Update
Safety: Lockout & Tag Out



**This class qualifies for 2.0 CEU credits. To get more information or to pre-register, contact IBT Training:
ibtraining@ibtinc.com or 913-428-2817**