

ELECTRICAL TRAINING SEMINARS

E600 Electrical Troubleshooting Techniques

This course is designed to teach the student to accurately be able to diagnose electrical problem areas in a safe and timely manner.

E601 Motor Controls and Troubleshooting

This course covers the different types of motor controls and their applications.

E602 Ladder Diagrams

This course teaches the student how to read basic electrical ladder diagrams. The special symbols used in electricity are learned.

E603 Grounding and Bonding

This course covers the basic theory and principles of grounding and bonding of electrical systems and related equipment. Safety aspects are covered in great detail.

E604 AC Motors

This course teaches the student about alternating current motors and their applications. Proper maintenance of AC motors is also covered

E605 AC Motor Controls

This course teaches the student about the different components that "start and stop" a motor.

E606 Industrial Electricity Basics

This course covers the basic principles of electricity and how they apply to the industrial environment. Electrical safety is also stressed.

E607 Electrical Safety

This course covers the material required by OSHA concerning safety related work practices, installations, and Lock-Out/Tag-Out. Associated hazards are also covered.

E608 PLC Basics

This course covers the basic principles and applications of programmable logic controllers.

E609 Variable Frequency Drive Basics

This course teaches the student the fundamental principles and applications of variable frequency drives.

E610 Electrical Systems/Transformers

This course teaches the student about different types of electrical systems. It covers the different types of electrical transformers and their various applications.

E611 Cross-Craft Industrial Electricity

This course is designed to teach students other than electricians the basic principles of industrial electricity and motor controls. It also addresses the safety precautions that they should take when dealing with electricity. This course is intended to help workers in industry avoid the hazards that they may encounter while performing electrically related jobs.

E612 2008 NEC® National Electrical Code

This course is designed to give students an understanding of the National Electrical Code and its changes for 2008.

E613 Instrumentation Measurement and Control Basics

This course is designed to teach students the fundamentals of pneumatic, electrical, electronic, and digital instrumentation.

E614 NFPA 70E Arc Flash

This course is designed to teach students the current standards of NFPA 70E as it relates to the electrical safety hazard known as Arc Flash. The regulations that require the calculation of the “flash protection boundary” inside which qualified workers must be protected when working are discussed.

