

Electrical Fundamentals

Duration: 1 Day

Price: \$500 per person (exc. GST)

COURSE OUTLINE

This course is designed to assist technicians in understanding the Fundamentals of Electrical as used on the Caterpillar products.

TOPICS INCLUDE

- Ohm's Law
- Series Circuits
- Parallel Circuits
- Series/Parallel Circuits
- Basic Troubleshooting
- Digital Multi-meters (DMM)
- Connectors as used on the Cat Product

TARGET AUDIENCE

Apprentices, Service Technicians (Refresher)

LEARNING OUTCOMES

On completion of this course, participants should be able to:

- Understand the fundamentals of electricity.
- Understand the proper use of a digital multi-meter (DMM).
- Understand Ohm's Law and its importance in troubleshooting electrical/electronic systems.
- Understand Series circuits, Parallel circuits, Series-Parallel (combination) circuits,
- Understanding the basic circuit faults and how to troubleshoot them.
- Identify types of connectors used on Caterpillar products and to demonstrate the ability to service those connectors

PPE REQUIREMENTS

Appropriate high visibility work attire, safety glasses, safety boots & gloves.

NOTE: This Course Description is subject to change due to product design changes and individual attendee needs and experience.