



COURSE NAME

Basic Electrical



“Gain the knowledge and skills of basic electrics”

This course is designed for delegates who have a non-electrical background or with limited electrical knowledge.

The course is designed to provide delegates with an understanding of terminology and basic electrical theory.

COURSE DURATION

2 day course

COURSE CONTENT

- Units & Symbols
- Atoms, Electrons and Electric Current
- The effects of an Electric Current
 - Heating Effect
 - Magnetic Effect
 - Electromagnetic Induction
 - Chemical Effect
- Conductors, Insulators and Semiconductors
- Direct and Alternating Current
- OHMS Law $V=IR$
- Resistance $R = \frac{U}{I}$
- Resistors in Series and Parallel
- Measurement of Voltage, Current, Power
- Voltage Drops in Cables
- How Things Work
 - Electric Motor
 - Generators
 - Transformers
 - Circuit Breakers and RCD
- Electrical Safety & Testing
- Domestic Installations

CERTIFICATION

- Delegates will receive a certificate of attendance

FURTHER TRAINING

- City and Guilds 2382-10 17th edition
- City and Guilds 2382-20 (pre requisites required) 17th edition update
- City and Guilds 2392-10 Certificate Fundamental Inspection, Testing and Initial Verification