



BUILD YOUR KNOWLEDGE OF ELECTRICAL MOTOR TECHNOLOGY

ELECTRICAL MOTOR TECHNOLOGY

2 DAY NON-CREDIT BEARING SHORT COURSE

This course will build on the artisan's basic understanding of single and three phase motors and control technology.



PARTICIPANT PROFILE

Electricians and millwrights with a basic understanding of single phase and three phase motors and control technology.

COURSE CONTENT

- Safety and environmental risks associated with the equipment and machinery
- SANS 1014-2 and SANS 1804 regulations and how they apply to single and three-phase induction motors
- The operating principles of single and three-phase induction motor
- Selection of motor control switchgear
- Direct-on-line, star/delta, soft starter and variable frequency motor starters
- Demonstrate the following on a three-phase induction motor
 - Strip components
 - Assemble components
 - Perform static tests
 - Connect to three-phase supply
 - Perform dynamic (running) tests
- Care and maintenance of three-phase induction motors
- Troubleshooting on three-phase induction motors

