



POWER AND ELECTRICAL TRAINING

Electrical Wiring Installation and Inspection

5 day course

Classroom, online or in-house

Course overview

Most electrical fires and a large share of shocks trace to installation work that was never properly inspected. This course covers doing both correctly. Delegates work through wiring systems and the selection of cable, containment and accessories for an environment, circuit design including protective device selection and discrimination, and earthing and bonding arrangements. Installation practice covers terminations, segregation and the workmanship faults that recur. Inspection and testing follow the sequence a competent person uses, from visual inspection through dead testing to live testing, and the course closes on certification and on the defects that require immediate action.

What you will learn

- Select wiring systems, cable and containment for an environment
- Design circuits and select protective devices with discrimination
- Apply earthing and bonding arrangements correctly
- Carry out terminations and segregation to a proper standard
- Conduct visual inspection, dead testing and live testing in sequence
- Complete certification accurately
- Recognise defects requiring immediate action

Who should attend

- Electricians and electrical technicians
- Maintenance staff and facilities electricians
- Electrical supervisors and inspectors
- Contractors certifying installations
- Engineers accepting electrical works

Course outline

- 01 Where electrical fires and shocks originate
- 02 Wiring systems, cable and containment selection
- 03 Circuit design and protective devices
- 04 Discrimination and coordination
- 05 Earthing and bonding arrangements
- 06 Terminations, segregation and workmanship
- 07 Inspection and testing sequence
- 08 Certification and immediately dangerous defects

Upcoming dates

Dates	Venue	Format	Fee per delegate
28 September to 2 October 2026	Nairobi, Kenya	Classroom	USD 1,325
26 to 30 October 2026	Online	Online	R8,500
2 to 6 November 2026	Lagos, Nigeria	Classroom	USD 1,325
28 December 2026 to 1 January 2027	Gaborone, Botswana	Classroom	R19,950



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | info@afriscience.co.za | Pretoria, Gauteng, South Africa