



HEALTH, SAFETY AND SECURITY TRAINING

Electrical Safety in the Workplace

3 day course

Classroom, online or in-house

Course overview

Electrical incidents are comparatively rare and disproportionately severe, and most happen during work that somebody judged too small to warrant the full procedure. This course covers the safety system that prevents them. Delegates work through the hazards of shock and arc flash and how each injures, risk assessment and the boundaries it establishes, and safe working practice including isolation, locking, testing for dead and earthing. Personal protective equipment is covered as the last defence rather than the first control. Competence, authorisation and the permit to work system are treated as the structure that makes the practice reliable, and the course closes on emergency response, rescue and incident investigation.

What you will learn

- Explain how electrical shock and arc flash injure, and at what thresholds
- Carry out an electrical risk assessment and establish working boundaries
- Apply isolation, locking, testing for dead and earthing correctly
- Select personal protective equipment as a last defence
- Operate a permit to work and authorisation system
- Plan emergency response and rescue from an electrical incident
- Investigate an electrical incident and act on the findings

Who should attend

- Electricians, technicians and electrical supervisors
- Health and safety practitioners
- Authorising officers and permit issuers
- Engineers and managers responsible for electrical work
- Contractors working on client electrical systems

Course outline

- 01 How electricity injures: shock and arc flash
- 02 Risk assessment and working boundaries
- 03 Isolation, locking and tagging
- 04 Testing for dead and applying earths
- 05 Personal protective equipment as the last defence
- 06 Competence, authorisation and permit to work
- 07 Working practice on and near live equipment
- 08 Emergency response, rescue and incident investigation

Upcoming dates

Dates	Venue	Format	Fee per delegate
4 to 6 November 2026	Nairobi, Kenya	Classroom	USD 995
25 to 27 November 2026	Accra, Ghana	Classroom	USD 995
7 to 9 December 2026	Online	Online	R6,500
23 to 25 December 2026	Maputo, Mozambique	Classroom	USD 995



Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** 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**.

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