



HEALTH, SAFETY AND SECURITY TRAINING

Machine Guarding and Safe Use of Work Equipment

3 day course

Classroom, online or in-house

Course overview

Machinery injuries happen at the point where somebody needed access and the guard was in the way, which makes guard design a maintainability question as much as a safety one. This course covers both. Delegates work through mechanical hazards and the injury mechanisms behind them, guard types from fixed through interlocked to sensing devices, and the selection of a guard appropriate to the access frequency required. Safety related control systems and interlock integrity are covered. Inspection, maintenance and the defeated guard problem are addressed directly. Equipment selection, installation and commissioning follow. The course closes on operator training, on setting and cleaning tasks, and on investigating a machinery injury.

What you will learn

- Identify mechanical hazards and their injury mechanisms
- Select a guard type appropriate to the access frequency required
- Specify interlocks and sensing devices correctly
- Assess safety related control system integrity
- Inspect and maintain guards, and address defeated guarding
- Control setting, cleaning and maintenance tasks safely
- Investigate a machinery injury and act on the cause

Who should attend

- Maintenance and engineering staff
- Production supervisors and machine operators
- Safety officers and practitioners
- Project engineers specifying new equipment
- Equipment suppliers and installers

Course outline

- 01 Guards removed for access
- 02 Mechanical hazards and injury mechanisms
- 03 Fixed, movable and adjustable guards
- 04 Interlocks and sensing devices
- 05 Safety related control systems
- 06 Inspection, maintenance and defeated guards
- 07 Setting, cleaning and maintenance tasks
- 08 Equipment selection and injury investigation

Upcoming dates

Dates	Venue	Format	Fee per delegate
26 to 28 October 2026	Dar es Salaam, Tanzania	Classroom	USD 995
25 to 27 November 2026	Kigali, Rwanda	Classroom	USD 995
14 to 16 December 2026	Online	Online	R6,500
10 to 12 March 2027	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**.

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