



HEALTH, SAFETY AND SECURITY TRAINING

Safety Cases and Major Accident Hazard Management

5 day course

Classroom, online or in-house

Course overview

A safety case is an argument that a facility is safe to operate, supported by evidence, and it is judged on whether the argument holds rather than on how thick the document is. This course covers making that argument. Delegates work through major accident hazard identification and the scenarios a case must address, the demonstration that risks are reduced so far as is reasonably practicable, and cost benefit argument where a control is rejected. Safety critical elements and performance standards are covered in detail, since this is where a case becomes operational. Verification and assurance follow. Management of change and keeping a case current are addressed, because a case describing a plant that has since been modified is worse than none. The course closes on regulator engagement.

What you will learn

- Identify major accident hazards and the scenarios a case must address
- Demonstrate risk reduction so far as is reasonably practicable
- Argue cost and benefit where a control is rejected
- Define safety critical elements and their performance standards
- Establish verification and assurance arrangements
- Keep the case current through management of change
- Engage a regulator on the substance of the argument

Who should attend

- Process safety managers and engineers
- Operations managers on major hazard installations
- Technical authorities and verification engineers
- Regulators and assessors
- Consultants preparing safety submissions

Course outline

- 01 An argument judged on whether it holds
- 02 Major accident hazard identification
- 03 Scenarios the case must address
- 04 Demonstrating reasonable practicability
- 05 Cost benefit argument for rejected controls
- 06 Safety critical elements
- 07 Performance standards and verification
- 08 Management of change and regulator engagement

Upcoming dates

Dates	Venue	Format	Fee per delegate
28 September to 2 October 2026	Kigali, Rwanda	Classroom	USD 1,325
5 to 9 October 2026	Online	Online	R8,500
23 to 27 November 2026	Johannesburg, South Africa	Classroom	R19,950
30 November to 4 December 2026	Lusaka, Zambia	Classroom	USD 1,325



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**.

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