



## LABORATORY EXCELLENCE, SAFETY AND ACCREDITATION

# Laboratory Equipment Selection, Installation and Operation

3 day course

Classroom, online or in-house

## Course overview

A poorly specified instrument is a decade of compromise, and the specification is usually written by somebody with a vendor quotation in front of them. This course covers doing it properly. Delegates work through defining a requirement from the analytical need rather than from a product brochure, evaluating instruments including the total cost of consumables, service and downtime, and the site preparation that installations routinely fail on, from services to environmental conditions. Installation, operational and performance qualification are covered as the evidence chain an assessor will follow. The course closes on service contracts, spares strategy and the decision to repair or replace an ageing instrument.

## What you will learn

- Define a requirement from the analytical need, not a brochure
- Evaluate instruments on total cost including consumables and downtime
- Prepare a site for services, environment and access
- Run installation, operational and performance qualification
- Build the evidence chain an assessor will follow
- Negotiate service contracts and set a spares strategy
- Decide when to repair and when to replace

## Who should attend

- Laboratory managers and technical managers
- Procurement staff buying laboratory equipment
- Quality managers and metrologists
- Senior analysts specifying instruments
- Facilities staff supporting laboratories

## Course outline

- 01 Requirement definition from the analytical need
- 02 Evaluating instruments and total cost of ownership
- 03 Site preparation, services and environment
- 04 Installation qualification
- 05 Operational and performance qualification
- 06 The evidence chain for assessment
- 07 Service contracts and spares strategy
- 08 Repair against replacement

## Upcoming dates

| Dates                   | Venue                  | Format    | Fee per delegate |
|-------------------------|------------------------|-----------|------------------|
| 21 to 23 September 2026 | Pretoria, South Africa | Classroom | R14,950          |
| 11 to 13 November 2026  | Gaborone, Botswana     | Classroom | R14,950          |
| 14 to 16 December 2026  | Harare, Zimbabwe       | Classroom | USD 995          |
| 4 to 6 January 2027     | Online                 | Online    | R6,500           |



## 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](http://www.afrisciencegroup.com), email [info@afriScience.co.za](mailto:info@afriScience.co.za), or WhatsApp us on **+27 63 479 1136**.

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