



LABORATORY EXCELLENCE, SAFETY AND ACCREDITATION

ISO/IEC 17025 Laboratory Quality Management Systems

3 day course

Classroom, online or in-house

Course overview

Accreditation demonstrates technical competence rather than the existence of a quality manual, which is why laboratories that pass a certification audit comfortably can still fail this one. This course covers the difference. Delegates work through the structure of the standard and the impartiality and confidentiality requirements that open it, resource requirements covering personnel competence, facilities, equipment and metrological traceability. Process requirements follow: method selection and validation, measurement uncertainty, sampling, and handling of test items. Reporting results, opinions and interpretations are covered, along with the decision rules that govern a statement of conformity. Nonconforming work, complaints and corrective action are addressed. The course closes on internal audit, management review and the assessment itself, including the findings laboratories most often receive.

What you will learn

- Meet the impartiality and confidentiality requirements
- Demonstrate personnel competence and suitable facilities
- Establish metrological traceability for equipment
- Select and validate methods and evaluate measurement uncertainty
- Report results with defensible decision rules for conformity statements
- Handle nonconforming work, complaints and corrective action
- Prepare for assessment and avoid the most common findings

Who should attend

- Laboratory quality managers and technical managers
- Analysts preparing method validation packages
- Internal auditors of testing and calibration laboratories
- Laboratory directors pursuing or maintaining accreditation

Course outline

- 01 Competence rather than a quality manual
- 02 Structure, impartiality and confidentiality
- 03 Personnel competence and facilities
- 04 Equipment and metrological traceability
- 05 Method selection and validation
- 06 Measurement uncertainty and sampling
- 07 Reporting, decision rules and conformity statements
- 08 Nonconforming work, internal audit and assessment

Upcoming dates

Dates	Venue	Format	Fee per delegate
7 to 9 October 2026	Cape Town, South Africa	Classroom	R14,950
4 to 6 November 2026	Online	Online	R6,500
18 to 20 November 2026	Pretoria, South Africa	Classroom	R14,950
2 to 4 December 2026	Accra, Ghana	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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