



LABORATORY EXCELLENCE, SAFETY AND ACCREDITATION

Control Charting for Testing and Calibration Laboratories

2 day course

Classroom, online or in-house

Course overview

A control chart is how a laboratory knows its measurement process is still the one it validated. This course covers building and using them. Delegates work through chart selection for different quality control materials, establishing control limits from real data rather than from a specification, and the run rules that signal a shift before it becomes a wrong result. Interpretation is the heart of the course: distinguishing a genuine out of control condition from a chart that is too sensitive, and deciding what to do about results already reported when a chart signals. The course closes on integrating charting into a quality control programme and reviewing it periodically.

What you will learn

- Select the appropriate chart for a given control material and measurement
- Establish control limits from process data rather than specification
- Apply run rules to detect a shift before it produces a wrong result
- Distinguish a genuine signal from an over sensitive chart
- Decide what to do about results already reported when a chart signals
- Integrate charting into a wider quality control programme
- Review and reset limits appropriately over time

Who should attend

- Laboratory analysts and technicians
- Quality officers and quality managers
- Technical signatories
- Metrologists and calibration staff
- Internal auditors of laboratories

Course outline

- 01 What a control chart tells a laboratory
- 02 Chart selection and control material choice
- 03 Establishing limits from process data
- 04 Run rules and shift detection
- 05 Genuine signals against over sensitive charts
- 06 Responding to a signal, including reported results
- 07 Integrating charting into quality control
- 08 Periodic review and resetting limits

Upcoming dates

Dates	Venue	Format	Fee per delegate
5 to 6 October 2026	Online	Online	R6,500
24 to 25 December 2026	Accra, Ghana	Classroom	USD 795
31 December 2026 to 1 January 2027	Durban, South Africa	Classroom	R11,950
2 to 3 February 2027	Harare, Zimbabwe	Classroom	USD 795



Fees and how to register

This 2 day course is **R6,500** per delegate online, **R11,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 795** 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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