



Analyzers & Analytical Instrumentation Masterclass

Instrumentation, Control & Automation

QGT-INS-176 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Analyzers & Analytical Instrumentation Masterclass is a senior-level masterclass on strategy and performance in Analyzers & Analytical Instrumentation. It covers the principles, the requirements of ISA, IEC 61511, IEC 61508 and IEC 62443, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Analyzers & Analytical Instrumentation
- Apply the relevant requirements of ISA, IEC 61511, IEC 61508 and IEC 62443
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for instrument and control engineers, technicians and control room staff in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Analyzers & Analytical Instrumentation

Trends, regulation and what leading companies do differently

Day 2: Benchmarking and performance

KPIs, maturity models and gap analysis

Day 3: Lessons from major incidents and projects

Decision points that changed outcomes

Day 4: Leading the change

Building the business case, budget and team capability

Day 5: Masterclass forum

Expert panel, peer exchange and personal roadmap

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
18–22 Jan 2027	Tunis	Classroom	5 days	\$5,500
25 Jan – 5 Feb 2027	Zurich	Classroom	10 days	\$9,900
5–9 Jul 2027	Kigali	Classroom	5 days	\$5,500
5–16 Sep 2027	Manama	Classroom	10 days	\$9,900
20–24 Sep 2027	Online (live)	Online (live)	5 days	\$3,000
28 Feb – 3 Mar 2028	Barcelona	Classroom	5 days	\$5,500
8–19 May 2028	Baku	Classroom	10 days	\$9,900
18–22 Sep 2028	Milan	Classroom	5 days	\$5,500
23 Oct – 3 Nov 2028	Dublin	Classroom	10 days	\$9,900
13–17 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
22–26 Jan 2029	Nairobi	Classroom	5 days	\$5,500
7–18 May 2029	Casablanca	Classroom	10 days	\$9,900
13–17 May 2029	Algiers	Classroom	5 days	\$5,500
23 Jul – 3 Aug 2029	Istanbul	Classroom	10 days	\$9,900
3–7 Dec 2029	Online (live)	Online (live)	5 days	\$3,000
13–17 Jan 2030	Muscat	Classroom	5 days	\$5,500
4–15 Feb 2030	Copenhagen	Classroom	10 days	\$9,900
26–30 Aug 2030	Abu Dhabi	Classroom	5 days	\$5,500
4–15 Nov 2030	Lisbon	Classroom	10 days	\$9,900
18–22 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/analyzers-and-analytical-instrumentation-masterclass/>

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