



Industrial Communication & Fieldbus

Instrumentation, Control & Automation

QGT-INS-111 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Industrial Communication & Fieldbus is an introduction that builds a solid working knowledge in Industrial Communication & Fieldbus. 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 Industrial Communication & Fieldbus
- 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
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for instrument and control engineers, technicians and control room staff, new joiners and anyone who needs a solid grounding in the subject.

Course outline (5 days)

Day 1: Principles and terminology

Scope, key definitions and how Industrial Communication & Fieldbus fits into daily operations

Day 2: Codes, standards and requirements

What ISA, IEC 61511, IEC 61508 and IEC 62443 require, and how to read them

Day 3: Methods, tools and calculations

Step-by-step methods, checklists and worked examples

Day 4: Operation, inspection and common problems

Typical failures, warning signs and what to do about them

Day 5: Case studies, workshop and assessment

Group exercise on real cases and a final knowledge check

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
17–21 Jan 2027	Manama	Classroom	5 days	\$5,500
11–22 Apr 2027	Jeddah	Classroom	10 days	\$9,900
16–20 Aug 2027	Athens	Classroom	5 days	\$5,500
13–24 Sep 2027	Stockholm	Classroom	10 days	\$9,900
22–26 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
20–24 Mar 2028	Dublin	Classroom	5 days	\$5,500
20–31 Aug 2028	Alexandria	Classroom	10 days	\$9,900
25–29 Sep 2028	Amsterdam	Classroom	5 days	\$5,500
2–13 Oct 2028	Edinburgh	Classroom	10 days	\$9,900
9–13 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
5–9 Mar 2029	Houston	Classroom	5 days	\$5,500
21 May – 1 Jun 2029	Sharjah	Classroom	10 days	\$9,900
27–31 Aug 2029	Luanda	Classroom	5 days	\$5,500
10–21 Sep 2029	Cape Town	Classroom	10 days	\$9,900
3–7 Dec 2029	Online (live)	Online (live)	5 days	\$3,000
3–7 Feb 2030	Sharm El Sheikh	Classroom	5 days	\$5,500
1–12 Jul 2030	Berlin	Classroom	10 days	\$9,900
5–9 Aug 2030	Luanda	Classroom	5 days	\$5,500
25 Nov – 6 Dec 2030	Rome	Classroom	10 days	\$9,900
2–6 Dec 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/industrial-communication-and-fieldbus/>

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