



Functional Safety IEC 61511

Instrumentation, Control & Automation

QGT-INS-108 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Functional Safety IEC 61511 is an introduction that builds a solid working knowledge in Functional Safety IEC 61511. 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 Functional Safety IEC 61511
- 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 Functional Safety IEC 61511 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	Salalah	Classroom	5 days	\$5,500
10–21 May 2027	Munich	Classroom	10 days	\$9,900
3–7 Oct 2027	Muscat	Classroom	5 days	\$5,500
25 Oct – 5 Nov 2027	Lagos	Classroom	10 days	\$9,900
1–5 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
14–18 May 2028	Jeddah	Classroom	5 days	\$5,500
21 May – 1 Jun 2028	Sharm El Sheikh	Classroom	10 days	\$9,900
3–7 Sep 2028	Kuwait City	Classroom	5 days	\$5,500
5–16 Nov 2028	Doha	Classroom	10 days	\$9,900
27 Nov – 1 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
15–19 Apr 2029	Cairo	Classroom	5 days	\$5,500
7–18 May 2029	Kuala Lumpur	Classroom	10 days	\$9,900
25–29 Jun 2029	Beirut	Classroom	5 days	\$5,500
16–27 Jul 2029	Rome	Classroom	10 days	\$9,900
10–14 Sep 2029	Online (live)	Online (live)	5 days	\$3,000
13–17 Jan 2030	Jeddah	Classroom	5 days	\$5,500
22 Apr – 3 May 2030	Edinburgh	Classroom	10 days	\$9,900
13–17 May 2030	Kigali	Classroom	5 days	\$5,500
20–31 May 2030	Lagos	Classroom	10 days	\$9,900
27–31 May 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/functional-safety-iec-61511/>

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