



Safety Instrumented Systems (SIS)

Instrumentation, Control & Automation

QGT-INS-107 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Safety Instrumented Systems (SIS) is an introduction that builds a solid working knowledge in Safety Instrumented Systems (SIS). 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 Safety Instrumented Systems (SIS)
- 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 Safety Instrumented Systems (SIS) 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
6–10 Jun 2027	Algiers	Classroom	5 days	\$5,500
25 Jul – 5 Aug 2027	Riyadh	Classroom	10 days	\$9,900
13–17 Sep 2027	Nairobi	Classroom	5 days	\$5,500
3–14 Oct 2027	Al Khobar	Classroom	10 days	\$9,900
8–12 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
7–11 Feb 2028	Marrakech	Classroom	5 days	\$5,500
27 Mar – 7 Apr 2028	Luanda	Classroom	10 days	\$9,900
19–23 Jun 2028	Munich	Classroom	5 days	\$5,500
17–28 Sep 2028	Erbil	Classroom	10 days	\$9,900
25–29 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
15–19 Jan 2029	Budapest	Classroom	5 days	\$5,500
8–19 Apr 2029	Salalah	Classroom	10 days	\$9,900
22–26 Oct 2029	Berlin	Classroom	5 days	\$5,500
29 Oct – 9 Nov 2029	Tunis	Classroom	10 days	\$9,900
5–9 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
7–11 Jan 2030	Paris	Classroom	5 days	\$5,500
20–31 Jan 2030	Cairo	Classroom	10 days	\$9,900
19–23 May 2030	Al Khobar	Classroom	5 days	\$5,500
22 Jul – 2 Aug 2030	Lisbon	Classroom	10 days	\$9,900
23–27 Sep 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/safety-instrumented-systems-sis/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

