



Systems Thinking & Complex Problem Solving: Advanced Level

Future Skills

QGT-FUT-148 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Systems Thinking & Complex Problem Solving: Advanced Level is an advanced programme for experienced practitioners in Systems Thinking & Complex Problem Solving. It covers the principles, the requirements of ISO/IEC 42001, ISSB standards, IEC 62443 and leading industry practice, 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 Systems Thinking & Complex Problem Solving
- Apply the relevant requirements of ISO/IEC 42001, ISSB standards, IEC 62443 and leading industry practice
- Apply advanced analysis methods to real operating data
- 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 professionals, managers and technical teams preparing for the technologies and jobs of 2030 with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in ISO/IEC 42001, ISSB standards, IEC 62443 and leading industry practice

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

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
22 Feb – 5 Mar 2027	Barcelona	Classroom	10 days	\$9,900
18–22 Jul 2027	Muscat	Classroom	5 days	\$5,500
25 Jul – 5 Aug 2027	Jeddah	Classroom	10 days	\$9,900
31 Oct – 4 Nov 2027	Al Khobar	Classroom	5 days	\$5,500
15–26 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
20–31 Mar 2028	Frankfurt	Classroom	10 days	\$9,900
4–8 Jun 2028	Salalah	Classroom	5 days	\$5,500
14–25 Aug 2028	Edinburgh	Classroom	10 days	\$9,900
11–15 Sep 2028	Paris	Classroom	5 days	\$5,500
30 Oct – 10 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
12–23 Mar 2029	Milan	Classroom	10 days	\$9,900
23–27 Apr 2029	Zurich	Classroom	5 days	\$5,500
14–25 May 2029	Frankfurt	Classroom	10 days	\$9,900
2–6 Jul 2029	Prague	Classroom	5 days	\$5,500
1–12 Oct 2029	Online (live)	Online (live)	10 days	\$5,500
7–18 Jan 2030	Tunis	Classroom	10 days	\$9,900
3–7 Jun 2030	Baku	Classroom	5 days	\$5,500
24 Jun – 5 Jul 2030	Tbilisi	Classroom	10 days	\$9,900
28 Oct – 1 Nov 2030	Johannesburg	Classroom	5 days	\$5,500
18–29 Nov 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/systems-thinking-and-complex-problem-solving-advanced-l>

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