



Process Troubleshooting & Problem Solving

Process & Chemical Engineering

QGT-PRC-118 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Process Troubleshooting & Problem Solving is an introduction that builds a solid working knowledge in Process Troubleshooting & Problem Solving. It covers the principles, the requirements of API, AIChE/CCPS guidelines and licensor 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 Process Troubleshooting & Problem Solving
- Apply the relevant requirements of API, AIChE/CCPS guidelines and licensor practice
- 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 process engineers, chemical engineers, operators and laboratory 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 Process Troubleshooting & Problem Solving fits into daily operations

Day 2: Codes, standards and requirements

What API, AIChE/CCPS guidelines and licensor practice 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
12–16 Apr 2027	Brussels	Classroom	5 days	\$5,500
26 Apr – 7 May 2027	Lagos	Classroom	10 days	\$9,900
30 May – 3 Jun 2027	Riyadh	Classroom	5 days	\$5,500
21 Jun – 2 Jul 2027	Munich	Classroom	10 days	\$9,900
5–9 Jul 2027	Online (live)	Online (live)	5 days	\$3,000
14–18 Feb 2028	Frankfurt	Classroom	5 days	\$5,500
19–30 Mar 2028	Algiers	Classroom	10 days	\$9,900
17–21 Apr 2028	Barcelona	Classroom	5 days	\$5,500
29 Oct – 9 Nov 2028	Jeddah	Classroom	10 days	\$9,900
4–8 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
26 Feb – 2 Mar 2029	Paris	Classroom	5 days	\$5,500
23 Apr – 4 May 2029	Rome	Classroom	10 days	\$9,900
18–22 Jun 2029	Frankfurt	Classroom	5 days	\$5,500
2–13 Jul 2029	Baku	Classroom	10 days	\$9,900
1–5 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
21–25 Jan 2030	Madrid	Classroom	5 days	\$5,500
18–29 Mar 2030	Manchester	Classroom	10 days	\$9,900
10–14 Jun 2030	Brussels	Classroom	5 days	\$5,500
11–22 Aug 2030	Salalah	Classroom	10 days	\$9,900
25–29 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/process-troubleshooting-and-problem-solving/>

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