



Process Design & Equipment Sizing: Practical Workshop

Process & Chemical Engineering

QGT-PRC-147 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Process Design & Equipment Sizing: Practical Workshop is a hands-on workshop built around exercises and real site problems in Process Design & Equipment Sizing. 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 Design & Equipment Sizing
- 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 who want practice rather than theory.

Course outline (5 days)

Day 1: Workshop briefing and baseline

Participants bring a real problem from their own site

Day 2: Guided practice 1

Hands-on exercises using templates, checklists and calculators

Day 3: Guided practice 2

Simulations and role-play based on Process Design & Equipment Sizing scenarios

Day 4: Field cases from the Gulf and Africa

Analysing what went wrong and what worked

Day 5: Action plan and peer review

Each participant leaves with a reviewed improvement plan

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
25–29 Jan 2027	Manchester	Classroom	5 days	\$5,500
28 Mar – 8 Apr 2027	Salalah	Classroom	10 days	\$9,900
25–29 Apr 2027	Algiers	Classroom	5 days	\$5,500
16–27 Aug 2027	Tunis	Classroom	10 days	\$9,900
30 Aug – 3 Sep 2027	Online (live)	Online (live)	5 days	\$3,000
24–28 Apr 2028	Luanda	Classroom	5 days	\$5,500
7–18 May 2028	Al Khobar	Classroom	10 days	\$9,900
3–7 Jul 2028	Accra	Classroom	5 days	\$5,500
16–27 Jul 2028	Dammam	Classroom	10 days	\$9,900
4–8 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
29 Jan – 2 Feb 2029	Vienna	Classroom	5 days	\$5,500
26 Feb – 9 Mar 2029	Toronto	Classroom	10 days	\$9,900
13–17 Aug 2029	Dubai	Classroom	5 days	\$5,500
22 Oct – 2 Nov 2029	Dublin	Classroom	10 days	\$9,900
19–23 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
14–18 Jan 2030	Istanbul	Classroom	5 days	\$5,500
25 Mar – 5 Apr 2030	Accra	Classroom	10 days	\$9,900
9–13 Jun 2030	Kuwait City	Classroom	5 days	\$5,500
15–26 Jul 2030	Prague	Classroom	10 days	\$9,900
22–26 Jul 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/process-design-and-equipment-sizing-practical-workshop/>

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