



Catalysts & Reactor Operation: Practical Workshop

Process & Chemical Engineering

QGT-PRC-150 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Catalysts & Reactor Operation: Practical Workshop is a hands-on workshop built around exercises and real site problems in Catalysts & Reactor Operation. 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 Catalysts & Reactor Operation
- 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 Catalysts & Reactor Operation 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
11–15 Apr 2027	Al Khobar	Classroom	5 days	\$5,500
24 May – 4 Jun 2027	Milan	Classroom	10 days	\$9,900
14–18 Jun 2027	Marrakech	Classroom	5 days	\$5,500
6–17 Sep 2027	Houston	Classroom	10 days	\$9,900
6–10 Dec 2027	Online (live)	Online (live)	5 days	\$3,000
6–10 Mar 2028	Barcelona	Classroom	5 days	\$5,500
13–24 Mar 2028	Cape Town	Classroom	10 days	\$9,900
27–31 Mar 2028	Madrid	Classroom	5 days	\$5,500
17–28 Apr 2028	Toronto	Classroom	10 days	\$9,900
4–8 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
29 Jan – 2 Feb 2029	Baku	Classroom	5 days	\$5,500
11–22 Jun 2029	Frankfurt	Classroom	10 days	\$9,900
3–7 Sep 2029	Vienna	Classroom	5 days	\$5,500
24 Sep – 5 Oct 2029	Edinburgh	Classroom	10 days	\$9,900
5–9 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
8–12 Apr 2030	Baku	Classroom	5 days	\$5,500
6–17 May 2030	Munich	Classroom	10 days	\$9,900
3–7 Jun 2030	Rome	Classroom	5 days	\$5,500
17–28 Jun 2030	Casablanca	Classroom	10 days	\$9,900
21–25 Oct 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/catalysts-and-reactor-operation-practical-workshop/>

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