



Catalysts & Reactor Operation

Process & Chemical Engineering

QGT-PRC-106 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Catalysts & Reactor Operation is an introduction that builds a solid working knowledge 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, 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 Catalysts & Reactor Operation 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
1–5 Mar 2027	Lagos	Classroom	5 days	\$5,500
8–19 Mar 2027	Abu Dhabi	Classroom	10 days	\$9,900
26–30 Apr 2027	Milan	Classroom	5 days	\$5,500
7–18 Jun 2027	Dublin	Classroom	10 days	\$9,900
11–15 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
27 Feb – 2 Mar 2028	Sharm El Sheikh	Classroom	5 days	\$5,500
5–16 Mar 2028	Cairo	Classroom	10 days	\$9,900
18–22 Sep 2028	Singapore	Classroom	5 days	\$5,500
2–13 Oct 2028	Baku	Classroom	10 days	\$9,900
13–17 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
7–11 Jan 2029	Riyadh	Classroom	5 days	\$5,500
12–23 Feb 2029	Dublin	Classroom	10 days	\$9,900
25–29 Mar 2029	Cairo	Classroom	5 days	\$5,500
21 May – 1 Jun 2029	Istanbul	Classroom	10 days	\$9,900
10–14 Sep 2029	Online (live)	Online (live)	5 days	\$3,000
11–15 Feb 2030	Nairobi	Classroom	5 days	\$5,500
29 Apr – 10 May 2030	Budapest	Classroom	10 days	\$9,900
5–9 May 2030	Doha	Classroom	5 days	\$5,500
15–26 Jul 2030	Luanda	Classroom	10 days	\$9,900
7–11 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/>

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