



Catalysts & Reactor Operation: Advanced Level

Process & Chemical Engineering

QGT-PRC-128 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Catalysts & Reactor Operation: Advanced Level is an advanced programme for experienced practitioners 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
- 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 process engineers, chemical engineers, operators and laboratory staff with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in API, AIChE/CCPS guidelines and licensor 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
28 Feb – 11 Mar 2027	Riyadh	Classroom	10 days	\$9,900
29 Mar – 2 Apr 2027	Baku	Classroom	5 days	\$5,500
6–17 Sep 2027	Athens	Classroom	10 days	\$9,900
4–8 Oct 2027	Cape Town	Classroom	5 days	\$5,500
6–17 Dec 2027	Online (live)	Online (live)	10 days	\$5,500
16–27 Jan 2028	Kuwait City	Classroom	10 days	\$9,900
5–9 Jun 2028	Kuala Lumpur	Classroom	5 days	\$5,500
25 Jun – 6 Jul 2028	Doha	Classroom	10 days	\$9,900
28 Aug – 1 Sep 2028	Abu Dhabi	Classroom	5 days	\$5,500
25 Sep – 6 Oct 2028	Online (live)	Online (live)	10 days	\$5,500
12–23 Feb 2029	Accra	Classroom	10 days	\$9,900
17–21 Jun 2029	Alexandria	Classroom	5 days	\$5,500
6–17 Aug 2029	Madrid	Classroom	10 days	\$9,900
24–28 Sep 2029	Prague	Classroom	5 days	\$5,500
15–26 Oct 2029	Online (live)	Online (live)	10 days	\$5,500
4–15 Feb 2030	Tunis	Classroom	10 days	\$9,900
3–7 Mar 2030	Jeddah	Classroom	5 days	\$5,500
30 Sep – 11 Oct 2030	Nairobi	Classroom	10 days	\$9,900
4–8 Nov 2030	Rome	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/catalysts-and-reactor-operation-advanced-level/>

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