



Petrochemical Processes: Advanced Level

Process & Chemical Engineering

QGT-PRC-127 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Petrochemical Processes: Advanced Level is an advanced programme for experienced practitioners in Petrochemical Processes. 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 Petrochemical Processes
- 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
11–22 Jan 2027	Lisbon	Classroom	10 days	\$9,900
1–5 Feb 2027	Tunis	Classroom	5 days	\$5,500
8–19 Mar 2027	Dubai	Classroom	10 days	\$9,900
20–24 Jun 2027	Salalah	Classroom	5 days	\$5,500
29 Nov – 10 Dec 2027	Online (live)	Online (live)	10 days	\$5,500
10–21 Apr 2028	Geneva	Classroom	10 days	\$9,900
17–21 Apr 2028	Johannesburg	Classroom	5 days	\$5,500
31 Jul – 11 Aug 2028	Beirut	Classroom	10 days	\$9,900
4–8 Sep 2028	Prague	Classroom	5 days	\$5,500
9–20 Oct 2028	Online (live)	Online (live)	10 days	\$5,500
4–15 Mar 2029	Kuwait City	Classroom	10 days	\$9,900
12–16 Mar 2029	Athens	Classroom	5 days	\$5,500
4–15 Jun 2029	Tbilisi	Classroom	10 days	\$9,900
28 Oct – 1 Nov 2029	Salalah	Classroom	5 days	\$5,500
3–14 Dec 2029	Online (live)	Online (live)	10 days	\$5,500
25 Feb – 8 Mar 2030	Houston	Classroom	10 days	\$9,900
31 Mar – 4 Apr 2030	Al Khobar	Classroom	5 days	\$5,500
6–17 May 2030	Paris	Classroom	10 days	\$9,900
24–28 Jun 2030	Johannesburg	Classroom	5 days	\$5,500
4–15 Nov 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/petrochemical-processes-advanced-level/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

