



Start-up & Shutdown of Process Units: Advanced Level

Process & Chemical Engineering

QGT-PRC-141 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Start-up & Shutdown of Process Units: Advanced Level is an advanced programme for experienced practitioners in Start-up & Shutdown of Process Units. 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 Start-up & Shutdown of Process Units
- 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	Copenhagen	Classroom	10 days	\$9,900
1–5 Mar 2027	Vienna	Classroom	5 days	\$5,500
8–19 Mar 2027	Luanda	Classroom	10 days	\$9,900
2–6 Aug 2027	Madrid	Classroom	5 days	\$5,500
8–19 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
7–18 Feb 2028	Barcelona	Classroom	10 days	\$9,900
19–23 Mar 2028	Muscat	Classroom	5 days	\$5,500
28 Aug – 8 Sep 2028	Berlin	Classroom	10 days	\$9,900
11–15 Sep 2028	Budapest	Classroom	5 days	\$5,500
13–24 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
28 Jan – 8 Feb 2029	Jeddah	Classroom	10 days	\$9,900
30 Apr – 4 May 2029	Athens	Classroom	5 days	\$5,500
27 May – 7 Jun 2029	Dammam	Classroom	10 days	\$9,900
23–27 Jul 2029	Accra	Classroom	5 days	\$5,500
24 Sep – 5 Oct 2029	Online (live)	Online (live)	10 days	\$5,500
28 Jan – 8 Feb 2030	Athens	Classroom	10 days	\$9,900
6–10 May 2030	Barcelona	Classroom	5 days	\$5,500
20–31 May 2030	Tbilisi	Classroom	10 days	\$9,900
3–7 Jun 2030	Abu Dhabi	Classroom	5 days	\$5,500
9–20 Sep 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/start-up-and-shutdown-of-process-units-advanced-level/>

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