



Start-up & Shutdown of Process Units

Process & Chemical Engineering

QGT-PRC-119 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Start-up & Shutdown of Process Units is an introduction that builds a solid working knowledge 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
- 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 Start-up & Shutdown of Process Units 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
25–29 Jan 2027	Vienna	Classroom	5 days	\$5,500
21 Mar – 1 Apr 2027	Erbil	Classroom	10 days	\$9,900
29 Mar – 2 Apr 2027	Zurich	Classroom	5 days	\$5,500
6–17 Jun 2027	Muscat	Classroom	10 days	\$9,900
5–9 Jul 2027	Online (live)	Online (live)	5 days	\$3,000
27–31 Mar 2028	Lisbon	Classroom	5 days	\$5,500
29 May – 9 Jun 2028	Athens	Classroom	10 days	\$9,900
20–24 Aug 2028	Al Khobar	Classroom	5 days	\$5,500
25 Sep – 6 Oct 2028	Budapest	Classroom	10 days	\$9,900
16–20 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
21–25 Jan 2029	Dammam	Classroom	5 days	\$5,500
12–23 Mar 2029	Amsterdam	Classroom	10 days	\$9,900
15–19 Apr 2029	Manama	Classroom	5 days	\$5,500
13–24 May 2029	Jeddah	Classroom	10 days	\$9,900
4–8 Jun 2029	Online (live)	Online (live)	5 days	\$3,000
24–28 Mar 2030	Sharm El Sheikh	Classroom	5 days	\$5,500
13–24 May 2030	Istanbul	Classroom	10 days	\$9,900
2–6 Sep 2030	Madrid	Classroom	5 days	\$5,500
15–26 Sep 2030	Alexandria	Classroom	10 days	\$9,900
30 Sep – 4 Oct 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

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

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