



Process Plant Optimization

Process & Chemical Engineering

QGT-PRC-104 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Process Plant Optimization is an introduction that builds a solid working knowledge in Process Plant Optimization. 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 Process Plant Optimization
- 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 Process Plant Optimization 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
21–25 Feb 2027	Riyadh	Classroom	5 days	\$5,500
21 Mar – 1 Apr 2027	Sharm El Sheikh	Classroom	10 days	\$9,900
26–30 Apr 2027	Lisbon	Classroom	5 days	\$5,500
12–23 Jul 2027	Singapore	Classroom	10 days	\$9,900
2–6 Aug 2027	Online (live)	Online (live)	5 days	\$3,000
13–17 Mar 2028	Johannesburg	Classroom	5 days	\$5,500
10–21 Apr 2028	Marrakech	Classroom	10 days	\$9,900
17–21 Apr 2028	Dubai	Classroom	5 days	\$5,500
24 Apr – 5 May 2028	Stockholm	Classroom	10 days	\$9,900
21–25 Aug 2028	Online (live)	Online (live)	5 days	\$3,000
12–16 Feb 2029	Rome	Classroom	5 days	\$5,500
3–14 Jun 2029	Algiers	Classroom	10 days	\$9,900
30 Jul – 3 Aug 2029	Singapore	Classroom	5 days	\$5,500
12–23 Aug 2029	Alexandria	Classroom	10 days	\$9,900
29 Oct – 2 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
15–19 Apr 2030	Casablanca	Classroom	5 days	\$5,500
21 Apr – 2 May 2030	Sharm El Sheikh	Classroom	10 days	\$9,900
27–31 May 2030	Barcelona	Classroom	5 days	\$5,500
30 Jun – 11 Jul 2030	Kuwait City	Classroom	10 days	\$9,900
29 Jul – 2 Aug 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/process-plant-optimization/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

