



Cooling Water Systems: Advanced Level

Process & Chemical Engineering

QGT-PRC-135 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Cooling Water Systems: Advanced Level is an advanced programme for experienced practitioners in Cooling Water Systems. 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 Cooling Water Systems
- 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
1–12 Feb 2027	Prague	Classroom	10 days	\$9,900
10–14 May 2027	Copenhagen	Classroom	5 days	\$5,500
17–28 May 2027	London	Classroom	10 days	\$9,900
14–18 Jun 2027	Geneva	Classroom	5 days	\$5,500
25 Oct – 5 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
10–21 Jan 2028	Geneva	Classroom	10 days	\$9,900
5–9 Mar 2028	Cairo	Classroom	5 days	\$5,500
1–12 May 2028	Madrid	Classroom	10 days	\$9,900
15–19 May 2028	Amsterdam	Classroom	5 days	\$5,500
5–16 Jun 2028	Online (live)	Online (live)	10 days	\$5,500
12–23 Feb 2029	London	Classroom	10 days	\$9,900
11–15 Mar 2029	Kuwait City	Classroom	5 days	\$5,500
6–17 May 2029	Sharm El Sheikh	Classroom	10 days	\$9,900
27–31 May 2029	Doha	Classroom	5 days	\$5,500
16–27 Jul 2029	Online (live)	Online (live)	10 days	\$5,500
3–14 Feb 2030	Muscat	Classroom	10 days	\$9,900
11–15 Feb 2030	Copenhagen	Classroom	5 days	\$5,500
1–12 Jul 2030	Bangkok	Classroom	10 days	\$9,900
7–11 Oct 2030	Baku	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/cooling-water-systems-advanced-level/>

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