



Heat Exchangers Design & Maintenance

Mechanical & Rotating Equipment

QGT-MEC-111 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Heat Exchangers Design & Maintenance is an introduction that builds a solid working knowledge in Heat Exchangers Design & Maintenance. It covers the principles, the requirements of API 610/617/618, ASME and ISO standards, 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 Heat Exchangers Design & Maintenance
- Apply the relevant requirements of API 610/617/618, ASME and ISO standards
- 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 mechanical engineers, technicians, supervisors and maintenance 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 Heat Exchangers Design & Maintenance fits into daily operations

Day 2: Codes, standards and requirements

What API 610/617/618, ASME and ISO standards 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
15–19 Feb 2027	Beirut	Classroom	5 days	\$5,500
29 Mar – 9 Apr 2027	Edinburgh	Classroom	10 days	\$9,900
4–8 Apr 2027	Jeddah	Classroom	5 days	\$5,500
12–23 Jul 2027	Accra	Classroom	10 days	\$9,900
23–27 Aug 2027	Online (live)	Online (live)	5 days	\$3,000
28 Feb – 3 Mar 2028	Stockholm	Classroom	5 days	\$5,500
6–17 Mar 2028	Istanbul	Classroom	10 days	\$9,900
3–7 Jul 2028	Tbilisi	Classroom	5 days	\$5,500
31 Jul – 11 Aug 2028	Zurich	Classroom	10 days	\$9,900
14–18 Aug 2028	Online (live)	Online (live)	5 days	\$3,000
4–8 Mar 2029	Jeddah	Classroom	5 days	\$5,500
27 Aug – 7 Sep 2029	Beirut	Classroom	10 days	\$9,900
8–12 Oct 2029	Casablanca	Classroom	5 days	\$5,500
5–16 Nov 2029	Vienna	Classroom	10 days	\$9,900
26–30 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
11–15 Feb 2030	Brussels	Classroom	5 days	\$5,500
3–14 Jun 2030	Baku	Classroom	10 days	\$9,900
17–21 Jun 2030	Paris	Classroom	5 days	\$5,500
9–20 Sep 2030	Johannesburg	Classroom	10 days	\$9,900
28 Oct – 1 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/heat-exchangers-design-and-maintenance/>

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