



Cranes & Lifting Equipment Engineering

Mechanical & Rotating Equipment

QGT-MEC-122 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Cranes & Lifting Equipment Engineering is an introduction that builds a solid working knowledge in Cranes & Lifting Equipment Engineering. 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 Cranes & Lifting Equipment Engineering
- 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 Cranes & Lifting Equipment Engineering 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
14–18 Mar 2027	Alexandria	Classroom	5 days	\$5,500
24 May – 4 Jun 2027	Berlin	Classroom	10 days	\$9,900
20–24 Sep 2027	Nairobi	Classroom	5 days	\$5,500
25 Oct – 5 Nov 2027	Kigali	Classroom	10 days	\$9,900
6–10 Dec 2027	Online (live)	Online (live)	5 days	\$3,000
24–28 Jan 2028	Tunis	Classroom	5 days	\$5,500
7–18 Feb 2028	Accra	Classroom	10 days	\$9,900
6–10 Mar 2028	Lagos	Classroom	5 days	\$5,500
24 Apr – 5 May 2028	Milan	Classroom	10 days	\$9,900
31 Jul – 4 Aug 2028	Online (live)	Online (live)	5 days	\$3,000
29 Jan – 2 Feb 2029	Kigali	Classroom	5 days	\$5,500
9–20 Apr 2029	Sharjah	Classroom	10 days	\$9,900
3–7 Sep 2029	Budapest	Classroom	5 days	\$5,500
17–28 Sep 2029	Toronto	Classroom	10 days	\$9,900
8–12 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
13–17 Jan 2030	Muscat	Classroom	5 days	\$5,500
14–25 Apr 2030	Algiers	Classroom	10 days	\$9,900
10–14 Jun 2030	Copenhagen	Classroom	5 days	\$5,500
15–26 Jul 2030	Vienna	Classroom	10 days	\$9,900
4–8 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/cranes-and-lifting-equipment-engineering/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

