



Flange Joint Assembly & Bolting: Advanced Level

Mechanical & Rotating Equipment

QGT-MEC-149 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Flange Joint Assembly & Bolting: Advanced Level is an advanced programme for experienced practitioners in Flange Joint Assembly & Bolting. 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 Flange Joint Assembly & Bolting
- Apply the relevant requirements of API 610/617/618, ASME and ISO standards
- 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 mechanical engineers, technicians, supervisors and maintenance staff with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in API 610/617/618, ASME and ISO standards

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
17–28 Jan 2027	Sharm El Sheikh	Classroom	10 days	\$9,900
5–9 Jul 2027	Abu Dhabi	Classroom	5 days	\$5,500
12–23 Jul 2027	Bangkok	Classroom	10 days	\$9,900
27 Sep – 1 Oct 2027	Dubai	Classroom	5 days	\$5,500
25 Oct – 5 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
7–18 Feb 2028	Toronto	Classroom	10 days	\$9,900
12–16 Jun 2028	Beirut	Classroom	5 days	\$5,500
20 Nov – 1 Dec 2028	Geneva	Classroom	10 days	\$9,900
27 Nov – 1 Dec 2028	Berlin	Classroom	5 days	\$5,500
4–15 Dec 2028	Online (live)	Online (live)	10 days	\$5,500
21 May – 1 Jun 2029	Munich	Classroom	10 days	\$9,900
22–26 Jul 2029	Jeddah	Classroom	5 days	\$5,500
6–17 Aug 2029	Manchester	Classroom	10 days	\$9,900
13–17 Aug 2029	Copenhagen	Classroom	5 days	\$5,500
20–31 Aug 2029	Online (live)	Online (live)	10 days	\$5,500
4–15 Mar 2030	Abu Dhabi	Classroom	10 days	\$9,900
18–22 Mar 2030	Manchester	Classroom	5 days	\$5,500
27 May – 7 Jun 2030	Berlin	Classroom	10 days	\$9,900
22–26 Jul 2030	Lagos	Classroom	5 days	\$5,500
9–20 Sep 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/flange-joint-assembly-and-bolting-advanced-level/>

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