



Mass & Energy Balance Masterclass

Process & Chemical Engineering

QGT-PRC-175 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Mass & Energy Balance Masterclass is a senior-level masterclass on strategy and performance in Mass & Energy Balance. 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 Mass & Energy Balance
- 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
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for process engineers, chemical engineers, operators and laboratory staff in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Mass & Energy Balance

Trends, regulation and what leading companies do differently

Day 2: Benchmarking and performance

KPIs, maturity models and gap analysis

Day 3: Lessons from major incidents and projects

Decision points that changed outcomes

Day 4: Leading the change

Building the business case, budget and team capability

Day 5: Masterclass forum

Expert panel, peer exchange and personal roadmap

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
22–26 Feb 2027	Milan	Classroom	5 days	\$5,500
1–12 Mar 2027	Frankfurt	Classroom	10 days	\$9,900
26–30 Apr 2027	Sharjah	Classroom	5 days	\$5,500
12–23 Sep 2027	Kuwait City	Classroom	10 days	\$9,900
29 Nov – 3 Dec 2027	Online (live)	Online (live)	5 days	\$3,000
19–23 Jun 2028	Rome	Classroom	5 days	\$5,500
14–25 Aug 2028	Brussels	Classroom	10 days	\$9,900
11–15 Sep 2028	Paris	Classroom	5 days	\$5,500
18–29 Sep 2028	Houston	Classroom	10 days	\$9,900
16–20 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
8–12 Jan 2029	Beirut	Classroom	5 days	\$5,500
5–16 Feb 2029	Abu Dhabi	Classroom	10 days	\$9,900
12–16 Feb 2029	Singapore	Classroom	5 days	\$5,500
5–16 Mar 2029	Rome	Classroom	10 days	\$9,900
27–31 Aug 2029	Online (live)	Online (live)	5 days	\$3,000
14–18 Jan 2030	Kuala Lumpur	Classroom	5 days	\$5,500
27 May – 7 Jun 2030	Amsterdam	Classroom	10 days	\$9,900
29 Jul – 2 Aug 2030	Bangkok	Classroom	5 days	\$5,500
9–20 Sep 2030	Toronto	Classroom	10 days	\$9,900
7–11 Oct 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/mass-and-energy-balance-masterclass/>

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