



Metallurgy for Non-Metallurgists: Practical Workshop

Welding, NDT & Materials

QGT-WLD-163 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Metallurgy for Non-Metallurgists: Practical Workshop is a hands-on workshop built around exercises and real site problems in Metallurgy for Non-Metallurgists. It covers the principles, the requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A, 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 Metallurgy for Non-Metallurgists
- Apply the relevant requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A
- 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 welding engineers, inspectors, NDT technicians and materials specialists who want practice rather than theory.

Course outline (5 days)

Day 1: Workshop briefing and baseline

Participants bring a real problem from their own site

Day 2: Guided practice 1

Hands-on exercises using templates, checklists and calculators

Day 3: Guided practice 2

Simulations and role-play based on Metallurgy for Non-Metallurgists scenarios

Day 4: Field cases from the Gulf and Africa

Analysing what went wrong and what worked

Day 5: Action plan and peer review

Each participant leaves with a reviewed improvement plan

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
5–9 Apr 2027	Accra	Classroom	5 days	\$5,500
3–14 May 2027	Tbilisi	Classroom	10 days	\$9,900
17–21 May 2027	Lagos	Classroom	5 days	\$5,500
14–25 Jun 2027	Brussels	Classroom	10 days	\$9,900
26–30 Jul 2027	Online (live)	Online (live)	5 days	\$3,000
14–18 May 2028	Al Khobar	Classroom	5 days	\$5,500
29 May – 9 Jun 2028	Singapore	Classroom	10 days	\$9,900
11–15 Sep 2028	Cape Town	Classroom	5 days	\$5,500
23 Oct – 3 Nov 2028	Toronto	Classroom	10 days	\$9,900
27 Nov – 1 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
12–16 Feb 2029	Milan	Classroom	5 days	\$5,500
29 Apr – 10 May 2029	Sharm El Sheikh	Classroom	10 days	\$9,900
21–25 May 2029	Beirut	Classroom	5 days	\$5,500
18–29 Jun 2029	Tunis	Classroom	10 days	\$9,900
3–7 Sep 2029	Online (live)	Online (live)	5 days	\$3,000
8–12 Apr 2030	Johannesburg	Classroom	5 days	\$5,500
15–26 Apr 2030	Manchester	Classroom	10 days	\$9,900
28 Jul – 1 Aug 2030	Salalah	Classroom	5 days	\$5,500
11–22 Aug 2030	Manama	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/metallurgy-for-non-metallurgists-practical-workshop/>

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