



Metallurgy for Non-Metallurgists: Advanced Level

Welding, NDT & Materials

QGT-WLD-140 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Metallurgy for Non-Metallurgists: Advanced Level is an advanced programme for experienced practitioners 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
- 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 welding engineers, inspectors, NDT technicians and materials specialists with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A

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
15–26 Mar 2027	Edinburgh	Classroom	10 days	\$9,900
4–8 Apr 2027	Jeddah	Classroom	5 days	\$5,500
19–30 Apr 2027	Marrakech	Classroom	10 days	\$9,900
9–13 Aug 2027	Brussels	Classroom	5 days	\$5,500
8–19 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
21 Feb – 3 Mar 2028	Athens	Classroom	10 days	\$9,900
17–21 Apr 2028	Kuala Lumpur	Classroom	5 days	\$5,500
30 Apr – 11 May 2028	Doha	Classroom	10 days	\$9,900
18–22 Jun 2028	Jeddah	Classroom	5 days	\$5,500
18–29 Sep 2028	Online (live)	Online (live)	10 days	\$5,500
8–19 Jan 2029	Singapore	Classroom	10 days	\$9,900
21–25 Jan 2029	Erbil	Classroom	5 days	\$5,500
30 Sep – 11 Oct 2029	Muscat	Classroom	10 days	\$9,900
8–12 Oct 2029	Frankfurt	Classroom	5 days	\$5,500
19–30 Nov 2029	Online (live)	Online (live)	10 days	\$5,500
21 Jan – 1 Feb 2030	Brussels	Classroom	10 days	\$9,900
18–22 Mar 2030	London	Classroom	5 days	\$5,500
10–21 Jun 2030	Munich	Classroom	10 days	\$9,900
9–13 Sep 2030	Lisbon	Classroom	5 days	\$5,500
21 Oct – 1 Nov 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/metallurgy-for-non-metallurgists-advanced-level/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

