



Hardness & Mechanical Testing Masterclass

Welding, NDT & Materials

QGT-WLD-190 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Hardness & Mechanical Testing Masterclass is a senior-level masterclass on strategy and performance in Hardness & Mechanical Testing. 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 Hardness & Mechanical Testing
- 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
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for welding engineers, inspectors, NDT technicians and materials specialists in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Hardness & Mechanical Testing

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
11–15 Jan 2027	Kuala Lumpur	Classroom	5 days	\$5,500
26 Apr – 7 May 2027	London	Classroom	10 days	\$9,900
6–10 Sep 2027	Budapest	Classroom	5 days	\$5,500
27 Sep – 8 Oct 2027	Sharjah	Classroom	10 days	\$9,900
18–22 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
17–21 Jan 2028	Singapore	Classroom	5 days	\$5,500
7–18 Feb 2028	Paris	Classroom	10 days	\$9,900
23–27 Apr 2028	Al Khobar	Classroom	5 days	\$5,500
16–27 Jul 2028	Sharm El Sheikh	Classroom	10 days	\$9,900
24–28 Jul 2028	Online (live)	Online (live)	5 days	\$3,000
7–11 Jan 2029	Dammam	Classroom	5 days	\$5,500
5–16 Feb 2029	Manchester	Classroom	10 days	\$9,900
3–7 Sep 2029	Zurich	Classroom	5 days	\$5,500
29 Oct – 9 Nov 2029	Stockholm	Classroom	10 days	\$9,900
5–9 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
3–7 Jun 2030	Barcelona	Classroom	5 days	\$5,500
10–21 Jun 2030	Istanbul	Classroom	10 days	\$9,900
11–15 Aug 2030	Alexandria	Classroom	5 days	\$5,500
25 Aug – 5 Sep 2030	Manama	Classroom	10 days	\$9,900
30 Sep – 4 Oct 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/hardness-and-mechanical-testing-masterclass/>

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