



Heat Treatment of Metals

Welding, NDT & Materials

QGT-WLD-118 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Heat Treatment of Metals is an introduction that builds a solid working knowledge in Heat Treatment of Metals. 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 Heat Treatment of Metals
- 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, new joiners and anyone who needs a solid grounding in the subject.

Course outline (5 days)

Day 1: Principles and terminology

Scope, key definitions and how Heat Treatment of Metals fits into daily operations

Day 2: Codes, standards and requirements

What AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A require, and how to read them

Day 3: Methods, tools and calculations

Step-by-step methods, checklists and worked examples

Day 4: Operation, inspection and common problems

Typical failures, warning signs and what to do about them

Day 5: Case studies, workshop and assessment

Group exercise on real cases and a final knowledge check

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
31 Jan – 4 Feb 2027	Cairo	Classroom	5 days	\$5,500
8–19 Feb 2027	Dublin	Classroom	10 days	\$9,900
17–21 May 2027	Beirut	Classroom	5 days	\$5,500
6–17 Sep 2027	Tunis	Classroom	10 days	\$9,900
15–19 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
31 Jan – 4 Feb 2028	Dubai	Classroom	5 days	\$5,500
27 Mar – 7 Apr 2028	Madrid	Classroom	10 days	\$9,900
3–7 Apr 2028	Luanda	Classroom	5 days	\$5,500
25 Jun – 6 Jul 2028	Amman	Classroom	10 days	\$9,900
30 Oct – 3 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
15–19 Jan 2029	Baku	Classroom	5 days	\$5,500
21 Jan – 1 Feb 2029	Sharm El Sheikh	Classroom	10 days	\$9,900
12–16 Mar 2029	Geneva	Classroom	5 days	\$5,500
30 Jul – 10 Aug 2029	Stockholm	Classroom	10 days	\$9,900
27–31 Aug 2029	Online (live)	Online (live)	5 days	\$3,000
14–18 Jan 2030	Prague	Classroom	5 days	\$5,500
11–22 Feb 2030	Berlin	Classroom	10 days	\$9,900
20–24 May 2030	Toronto	Classroom	5 days	\$5,500
10–21 Jun 2030	Budapest	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/heat-treatment-of-metals/>

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