GATI

WELDING, CORROSION AND INSPECTION

AWS Certified Welding Inspector (CWI)

DURATION	CONTACT HOURS	LEVEL	FEE PER DELEGATE
5 days	30	Intermediate	US$1,500

Preparing for the Certified Welding Inspector examination, across the fundamentals, the practical and the code paper.

The examination is three papers, and candidates usually fail the one they did not prepare for. This week is built around that. Fundamentals covers processes, metallurgy and discontinuities. The practical is worked under the book you will be given on the day. The code paper is less a test of memory than of finding the governing clause quickly and reading it as written. Alongside the preparation runs the part that matters afterwards, which is what an inspector is for: inspection is a judgement made against an acceptance criterion and then defended, and a candidate who passes without learning to write the report has passed an examination rather than become an inspector. The examination itself is sat with the certifying body.

Available as classroom, live online, in house.

Who it is for

Welding and QC inspectors preparing to sit the examination, QA engineers and supervisors who manage inspection, and experienced welders moving into an inspection role.

What you will be able to do

- Identify welding processes, consumables and joint configurations on sight.
- Recognise discontinuities, and tell a discontinuity from a defect.
- Work a code book under time pressure and find the governing clause.
- Apply a visual inspection method consistently and record it.
- Write an inspection report that holds up when it is challenged.

The outline

DAY 1

The inspector's role

Duties, authority, and the limits of both · Ethics, independence, and pressure from the schedule · The documents an inspector works from, and their order of precedence

Processes and consumables

Manual metal arc, MIG, flux cored, TIG and submerged arc, and how each fails · Electrode and filler classification · Shielding, storage, and the problems poor handling causes · Joint design, preparation and fit up

DAY 2

Metallurgy and heat

The heat affected zone, and why it is where cracks live · Preheat, interpass and post weld heat treatment · Hydrogen cracking, and the conditions that produce it · Distortion and residual stress

DAY 3

Discontinuities and acceptance

Porosity, slag, lack of fusion, undercut and cracking · Discontinuity against defect, and who decides which it is · Reading an acceptance criterion exactly as written · Measuring with gauges rather than by eye

DAY 4

Examination practice

Fundamentals: question types and the traps inside them · Practical: working the supplied book and the replica specimens · Code: locating a clause fast, and not over reading it · Timing, and what to do when a question is costing too long

DAY 5

Reporting

A report that states observation, criterion and conclusion separately · Photographs, references and traceability · Defending a rejection, and withdrawing one properly

What you leave with

- Worked practice across all three papers under timed conditions.
- A personal gap list, so revision afterwards is aimed rather than general.
- A visual inspection routine and report format you can use immediately.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Kampala, Uganda	**US$1,500**
30 November 2026 to 4 December 2026	Nicosia, Cyprus	**US$1,500**
7 to 11 December 2026	Live online	**US$995**
14 to 18 December 2026	Live online	**US$995**

Fees are per delegate and co
arranged by the delegate. Reg

Register or ask a question

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