Accredited Africa Training Institute for Capacity Development
Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa
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COURSE BROCHURE

Welding Inspection

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0429 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips participants with the knowledge and skills to conduct effective welding inspections, ensuring compliance with quality standards and safety regulations. It covers inspection techniques, defect identification, and documentation, enabling learners to contribute to the integrity and reliability of welded structures.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0429
Accreditation	SAQA Accredited · NQF Level 5 · 4 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS — verifiable online

LEARNING OUTCOMES

- Apply welding inspection principles and techniques to assess weld quality and conformity.
- Analyze welding defects and discontinuities to determine their causes and implications.
- Evaluate welded components against relevant codes, standards, and specifications.
- Demonstrate the use of inspection tools and equipment, including visual and non-destructive testing methods.
- Implement proper documentation and reporting procedures for welding inspections.
- Design an inspection plan for a typical welding project, considering safety and quality requirements.

WHO SHOULD ATTEND

- This course is designed for welding inspectors, quality control personnel, supervisors, and technicians involved in welding operations who seek to enhance their inspection capabilities.

COURSE OUTLINE

Day 1: **Fundamentals of Welding Inspection**

- Introduction to welding inspection and the role of the inspector
- Overview of welding processes (SMAW, GMAW, FCAW, GTAW
- Welding symbols and joint design
- Weld defects: types, causes, and prevention
- Introduction to welding standards (e.g., AWS D1.1, ISO 5817
- Safety in welding and inspection environments
- Documentation and reporting basics

Day 2: **Advanced Inspection Techniques and Application**

- Visual inspection (VT) techniques and criteria
- Introduction to NDT methods: PT, MT, UT, RT
- Selection of inspection methods based on application
- Acceptance criteria and evaluation of weld indications
- Inspection of welds during and after fabrication
- Practical inspection exercises (simulated or real
- Reporting and communication of inspection results

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **4 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 11,900.00	**R 11,900.00**
1	In-House	R 16,100.00	**R 16,100.00**
1	On-Campus (Pretoria)	R 17,800.00	**R 17,800.00**

UPCOMING SESSIONS

Start	End	Method	Venue
02 Dec 2026	03 Dec 2026	On-Campus	Shenzhen, China
02 Dec 2026	03 Dec 2026	On-Campus	Lagos, Nigeria
03 Dec 2026	04 Dec 2026	On-Campus	Durban, South Africa
08 Dec 2026	09 Dec 2026	On-Campus	Maseru, Lesotho
08 Dec 2026	09 Dec 2026	On-Campus	Kigali, Rwanda
08 Dec 2026	09 Dec 2026	On-Campus	Accra, Ghana
08 Dec 2026	09 Dec 2026	On-Campus	Cape Town, South Africa
08 Dec 2026	09 Dec 2026	On-Campus	Abu Dhabi, UAE

Contact us if no suitable date is listed — on-demand sessions can be arranged for groups.

HOW TO GET A QUOTATION OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0429) and click **Get A Quotation**. Select your training method and number of delegates — your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to **apply@aaticd.co.za** — our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call **+27 12 004 8389** or WhatsApp **+27 65 077 6310** and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically — the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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