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

Storage Tank Inspection

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0427 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to conduct thorough inspections of storage tanks, ensuring structural integrity, safety, and compliance with relevant regulations. Participants will learn to identify defects, assess risks, and recommend corrective actions, thereby contributing to the safe and efficient operation of storage facilities.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0427
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 relevant standards and regulations to storage tank inspections.
- Demonstrate proficiency in using inspection tools and techniques to assess tank condition.
- Analyze inspection findings to identify defects, corrosion, and potential failure modes.
- Evaluate the severity of identified issues and recommend appropriate corrective actions.
- Implement documentation and reporting procedures for inspection results.
- Design a comprehensive inspection plan for a storage tank system.

WHO SHOULD ATTEND

- This course is designed for technicians, inspectors, maintenance personnel, and safety officers responsible for the inspection and maintenance of storage tanks in various industrial settings.

COURSE OUTLINE

Day 1: **Fundamentals of Storage Tank Inspection**

- Overview of storage tank types (aboveground, underground, fixed roof, floating roof
- Regulatory framework: SANS, API 653, and other applicable standards
- Inspection planning: frequencies, scope, and documentation
- Degradation mechanisms: corrosion, cracking, and mechanical damage
- Non-destructive testing (NDT) methods: visual, ultrasonic, and others
- Safety considerations: confined space entry, hazardous atmospheres
- Introduction to inspection tools and equipment
- Case studies of typical tank failures

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

- Advanced NDT methods: magnetic particle, radiography, and advanced ultrasonic
- Corrosion mapping and thickness measurement techniques
- Inspection of welds, joints, and fittings
- Assessment of tank foundations and supports
- Data analysis and integrity evaluation
- Inspection reporting and documentation
- Repair and maintenance strategies based on inspection findings
- Review of case studies and group discussion

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
01 Dec 2026	02 Dec 2026	On-Campus	Durban, South Africa
02 Dec 2026	03 Dec 2026	On-Campus	Dubai, UAE
03 Dec 2026	04 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
03 Dec 2026	04 Dec 2026	On-Campus	Cape Town, South Africa
10 Dec 2026	11 Dec 2026	On-Campus	Maseru, Lesotho
10 Dec 2026	11 Dec 2026	On-Campus	Kigali, Rwanda
10 Dec 2026	11 Dec 2026	On-Campus	Accra, Ghana
10 Dec 2026	11 Dec 2026	On-Campus	Cape Town, South Africa

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-0427) 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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