



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 of petroleum products

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0272 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to safely store petroleum products in compliance with South African regulations and international best practices. It covers the principles of safe storage, handling, and emergency response to prevent fires, spills, and environmental harm.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0272
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant legislation, standards, and codes of practice for the storage of petroleum products.
- Evaluate storage facility design and equipment to ensure compliance with safety requirements.
- Implement procedures for safe receipt, transfer, and storage of petroleum products.
- Demonstrate emergency response actions for spills, leaks, and fires involving petroleum products.
- Analyze risks associated with petroleum storage and recommend control measures.
- Inspect and maintain storage tanks, piping, and safety systems according to operational procedures.

WHO SHOULD ATTEND

- This course is designed for warehouse supervisors, safety officers, and operators responsible for the storage and handling of petroleum products in industrial, commercial, or retail settings.

COURSE OUTLINE

Day 1: Introduction to Petroleum Product Storage

- Overview of petroleum products and their characteristics
- Types of storage tanks: fixed roof, floating roof, pressurized
- Tank construction materials: carbon steel, stainless steel, concrete
- Regulatory framework: SANS, OHS Act, environmental regulations
- Safety fundamentals: fire, explosion, and spill prevention

Day 2: Tank Design and Ancillary Equipment

- Tank components: roof, shell, bottom, fittings
- Venting systems: pressure/vacuum vents, flame arrestors
- Level gauging: manual and automatic tank gauging
- Valves: gate, ball, check, emergency shut-off
- Cathodic protection: sacrificial anodes, impressed current
- Leak detection: interstitial monitoring, vapor monitoring
- Secondary containment: bund walls, double-walled tanks

Day 3: Storage Operations and Maintenance

- Operating procedures: receipt, storage, dispatch
- Inventory control: dip readings, automatic tank gauging
- Maintenance planning: preventive and corrective
- Corrosion management: coatings, linings, cathodic protection
- Tank inspection: API 653, ultrasonic testing, visual
- Cleaning methods: manual, automated, gas-freeing
- Decommissioning and demolition

Day 4: Safety, Health, and Environmental Management

- Hazard identification: flammability, toxicity, static electricity
- Fire protection: foam systems, deluge, monitors
- Emergency response: spill containment, evacuation plans
- Environmental management: groundwater monitoring, remediation
- PPE: flame-resistant clothing, respirators, safety footwear
- Permit-to-work: hot work, confined space, excavation
- Confined space entry: testing, ventilation, rescue

Day 5: Integration, Auditing, and Best Practices

- Regulatory compliance audits: SANS 10131, OHS Act
- Risk assessment and management strategies
- Best practices: vapor recovery, leak prevention, housekeeping
- Inspection and testing programs: frequency, documentation
- Incident investigation and root cause analysis
- Emerging technologies: remote monitoring, automation
- Case studies and group exercises

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 **10 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 24,200.00	R 24,200.00
1	In-House	R 31,400.00	R 31,400.00
1	On-Campus (Pretoria)	R 36,200.00	R 36,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
17 Aug 2026	21 Aug 2026	On-Campus	Harare, Zimbabwe
17 Aug 2026	21 Aug 2026	On-Campus	Shenzhen, China
24 Aug 2026	28 Aug 2026	On-Campus	Bangkok, Thailand
24 Aug 2026	28 Aug 2026	On-Campus	Victoria Falls, Zimbabwe
31 Aug 2026	04 Sep 2026	On-Campus	Lusaka, Zambia
31 Aug 2026	04 Sep 2026	On-Campus	London, UK

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

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0272) and click **Get A Quote / Apply**. 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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