



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

Safe Chemical Storage Procedures For Laboratory Environments Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110174 · NQF Level 2 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and skills to safely store chemicals in laboratory environments, in compliance with relevant South African legislation and international standards. It covers hazard identification, classification, labeling, segregation, and emergency response procedures to minimize risks to personnel, property, and the environment.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110174
Accreditation	SAQA Accredited · NQF Level 2 · 2 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant legislation, regulations, and standards governing chemical storage in South Africa.
- Evaluate chemical hazards using Safety Data Sheets (SDS) and implement appropriate storage measures.
- Demonstrate correct procedures for labeling, segregating, and storing incompatible chemicals.
- Design a safe chemical storage layout that minimizes risk of fire, explosion, or toxic release.
- Implement emergency response procedures for chemical spills, leaks, or exposure incidents.

WHO SHOULD ATTEND

- Laboratory technicians, scientists, safety officers, and any personnel responsible for handling or storing chemicals in laboratory settings.
- This course is also suitable for supervisors and managers overseeing laboratory operations.

COURSE OUTLINE

Day 1: Principles and Practices of Safe Chemical Storage

- Overview of relevant legislation: OHS Act, SANS 1514, and SAQA unit standard 110174.
- Chemical hazard classification: GHS pictograms, hazard statements, and compatibility.
- Storage principles: segregation by hazard class, ventilation, temperature control, and secondary containment.
- Labeling and signage requirements for storage areas and containers.
- Inventory management: stock rotation, expiry dates, and waste disposal.
- Inspection and maintenance of storage facilities and equipment.
- Emergency preparedness: spill response kits, fire extinguishers, and first aid.
- Documentation: safety data sheets (SDS), risk assessments, and storage records.

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 **2 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 12,800.00	R 12,800.00
1	In-House	R 16,600.00	R 16,600.00
1	On-Campus (Pretoria)	R 19,200.00	R 19,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	04 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	04 Aug 2026	On-Campus	Lagos, Nigeria
05 Aug 2026	05 Aug 2026	On-Campus	Johannesburg, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Mauritius
07 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	12 Aug 2026	On-Campus	Mauritius

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 110174) 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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