



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aatikd.co.za · Website: www.aatikd.co.za

COURSE BROCHURE

Filter Press Cloth Replacement And Maintenance Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110160 · NQF Level 2 · 7 Credits · 4 Days

COURSE OVERVIEW

This course equips participants with the knowledge and practical skills required to safely and effectively replace and maintain filter press cloths in industrial settings. It covers the identification of wear patterns, selection of appropriate cloth materials, and adherence to safety protocols to ensure optimal filtration performance. By the end of the training, learners will be able to perform cloth replacement and routine maintenance with minimal downtime and maximum safety.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110160
Accreditation	SAQA Accredited · NQF Level 2 · 7 Credits
Duration	4 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the correct procedure for isolating and locking out filter press equipment before maintenance.
- Identify signs of cloth wear, damage, or blinding and evaluate the need for replacement.
- Select the appropriate filter cloth material based on process requirements and cake discharge characteristics.
- Implement step-by-step cloth removal and installation techniques, including tensioning and sealing.
- Apply routine maintenance practices to extend cloth life and optimize filtration efficiency.
- Analyze common cloth failure modes and recommend corrective actions.

WHO SHOULD ATTEND

- This course is designed for process operators, maintenance technicians, and plant engineers who are responsible for the operation and upkeep of filter press equipment in mining, chemical, and wastewater treatment industries.

COURSE OUTLINE

Day 1: Introduction to Filter Press and Safety

- Overview of filter press operation and applications
- Types of filter presses: recessed plate, membrane, and belt
- Key components: plates, cloth, feed pump, hydraulic system
- Safety procedures: lockout/tagout, PPE, hazard identification
- Filter cloth materials and their properties
- Importance of cloth integrity for cake formation and filtrate quality

Day 2: Filter Cloth Selection and Inspection

- Criteria for cloth selection: particle size, chemical compatibility, temperature
- Cloth types: woven, non-woven, and multi-filament
- Inspection techniques: visual, touch, and measurement
- Common defects: blinding, tearing, creasing, shrinkage
- Wear patterns and root cause analysis
- Inspection checklists and reporting

Day 3: Filter Cloth Replacement Procedure

- Preparation: isolation, draining, and plate removal
- Removing old cloth: cutting, peeling, and cleaning plate surfaces
- Installing new cloth: centering, tensioning, and securing
- Alignment techniques to prevent leakage and wear
- Reassembly and hydraulic pressure adjustment
- Post-replacement testing: leak test, cycle test

Day 4: Troubleshooting, Maintenance Planning, and Practical Assessment

- Troubleshooting: poor cake discharge, high moisture, cloth blinding
- Maintenance planning: frequency, spare parts inventory, record keeping
- Performance metrics: filtration rate, cake solids, cloth life
- Cost-benefit analysis of cloth replacement vs. repair
- Practical assessment: supervised cloth replacement and inspection

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

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 20,500.00	R 20,500.00
1	In-House	R 26,600.00	R 26,600.00
1	On-Campus (Pretoria)	R 30,800.00	R 30,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
04 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
04 Aug 2026	07 Aug 2026	On-Campus	Mauritius
04 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
04 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	13 Aug 2026	On-Campus	Mauritius
10 Aug 2026	13 Aug 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 QUOTE OR APPLY

- 1. Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 110160) 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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