



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@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Battery Maintenance For Automatic Scrubber Driers And Auto Sweepers Training

Services / Cleaning, Domestic, Hiring, Property and Rescue Services

Unit Standard 110451 · NQF Level 2 · 5 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to safely and effectively maintain batteries used in automatic scrubber driers and auto sweepers. Participants will learn to identify battery types, perform routine maintenance, and handle batteries in compliance with health and safety regulations.

Category	Services
Subfield	Cleaning, Domestic, Hiring, Property and Rescue Services
Unit Standard	110451
Accreditation	SAQA Accredited · NQF Level 2 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate knowledge of battery types, components, and principles of operation for automatic scrubber driers and auto sweepers.
- Apply safety procedures and personal protective equipment (PPE) requirements when handling and maintaining batteries.
- Perform routine battery maintenance tasks including cleaning, watering, and equalizing charges.
- Analyze battery condition using voltage readings, hydrometer tests, and visual inspections.
- Evaluate and implement proper charging procedures and storage practices to extend battery life.
- Comply with environmental regulations for battery disposal and spill management.

WHO SHOULD ATTEND

- This course is designed for cleaning supervisors, maintenance technicians, and operators responsible for the upkeep of automatic scrubber driers and auto sweepers in industrial or commercial settings.

COURSE OUTLINE

Day 1: Introduction to Battery Technology and Safety

- Overview of battery types: lead-acid, gel, AGM, and lithium-ion.
- Basic battery chemistry and how batteries store and deliver energy.
- Safety protocols: handling acid, preventing short circuits, ventilation.
- PPE requirements: gloves, goggles, aprons, acid-resistant footwear.
- Pre-use inspection: visual checks, terminal condition, electrolyte levels.
- Routine maintenance: cleaning terminals, checking water levels, equalisation charging.
- Understanding battery ratings: voltage, amp-hour (Ah), cold cranking amps (CCA).
- Manufacturer guidelines and documentation.

Day 2: Advanced Maintenance, Troubleshooting and Practical Application

- Charging procedures: constant voltage, constant current, and smart chargers.
- Charging equipment maintenance: cables, connectors, and charger settings.
- Troubleshooting: sulfation, overcharging, undercharging, and cell failure.
- Battery testing: specific gravity (hydrometer), open circuit voltage (multimeter), load testing.
- Battery removal and installation: safety steps, terminal connections, and torque specifications.
- Disposal and recycling regulations: environmental compliance and waste management.
- Record keeping: maintenance logs, battery history, and performance tracking.
- Integration with machine operation: impact on run time and productivity.

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

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 15,400.00	R 15,400.00
1	In-House	R 20,000.00	R 20,000.00
1	On-Campus (Pretoria)	R 23,100.00	R 23,100.00

UPCOMING SESSIONS

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

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 110451) 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.

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 · WhatsApp: +27 65 077 6310 · apply@aaticd.co.za · www.aaticd.co.za