



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

Overhaul Electrical System Components on Agricultural Equipment

Agriculture and Nature Conservation / Secondary Agriculture

Unit Standard 246772 · NQF Level 2 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to safely and effectively overhaul electrical system components on agricultural equipment. Participants will learn to diagnose faults, repair or replace components, and test systems to ensure optimal performance in accordance with industry standards.

Category	Agriculture and Nature Conservation
Subfield	Secondary Agriculture
Unit Standard	246772
Accreditation	SAQA Accredited · NQF Level 2 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate knowledge of electrical system components and their functions on agricultural equipment.
- Diagnose electrical faults using appropriate testing equipment and interpret results.
- Overhaul electrical components such as alternators, starters, and wiring harnesses according to manufacturer specifications.
- Apply safety procedures when working with electrical systems and handling hazardous materials.
- Test and verify the functionality of repaired electrical systems under operational conditions.
- Document maintenance and repair activities in compliance with workplace procedures.

WHO SHOULD ATTEND

- This course is designed for agricultural equipment technicians, mechanics, and maintenance personnel who are responsible for servicing and repairing electrical systems on tractors, harvesters, and other farm machinery.

COURSE OUTLINE

Day 1: Overhaul Electrical System Components on Agricultural Equipment

- Overview of electrical systems in agricultural equipment (tractors, harvesters, implements)
- Safety procedures and personal protective equipment (PPE) for electrical work
- Tools and equipment: multimeters, circuit testers, wiring diagrams
- Component identification: alternators, starters, batteries, sensors, wiring harnesses
- Diagnostic techniques: voltage drop tests, continuity checks, load testing
- Disassembly and inspection procedures for alternators and starters
- Reassembly, adjustment, and testing of overhauled components
- Documentation and quality assurance per unit standard 246772

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 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
10 Aug 2026	10 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	11 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Mauritius
12 Aug 2026	12 Aug 2026	On-Campus	Cape Town, South Africa
13 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
14 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
17 Aug 2026	17 Aug 2026	On-Campus	Durban, South Africa
18 Aug 2026	18 Aug 2026	On-Campus	Shenzhen, China

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 246772) 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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