



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

Low Voltage Electrical System Isolation And Power Restoration Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110397 · NQF Level 2 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to safely isolate low voltage electrical systems and restore power in compliance with South African regulations. It covers key principles of electrical safety, isolation procedures, and power restoration techniques to minimise risks and ensure workplace safety.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110397
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 safe isolation procedures for low voltage electrical systems in accordance with statutory requirements.
- Demonstrate correct use of lockout/tagout (LOTO) devices and personal protective equipment (PPE).
- Analyze isolation and restoration scenarios to identify potential hazards and implement control measures.
- Implement power restoration procedures after isolation, ensuring system integrity and safety.
- Evaluate compliance with relevant South African health and safety legislation and standards.
- Design a systematic isolation and restoration plan for a given low voltage system.

WHO SHOULD ATTEND

- This course is designed for electricians, electrical technicians, maintenance personnel, and supervisors responsible for electrical installations and maintenance in industrial, commercial, or residential settings.

COURSE OUTLINE

Day 1: Low Voltage System Isolation and Power Restoration

- Introduction to low voltage systems (up to 1000V AC/1500V DC)
- Legal framework: OHS Act, SANS 10142-1, and relevant regulations
- Principles of isolation: switching, locking, tagging, testing
- Step-by-step isolation procedure
- Power restoration sequence and checks
- Use of voltage testers, multimeters, and proving units
- Documentation and reporting requirements
- Hazard identification and risk assessment

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
03 Aug 2026	03 Aug 2026	On-Campus	Mauritius
04 Aug 2026	04 Aug 2026	On-Campus	Cape Town, South Africa
05 Aug 2026	05 Aug 2026	On-Campus	Dubai, UAE
06 Aug 2026	06 Aug 2026	On-Campus	Pretoria, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Lagos, Nigeria
07 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	11 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 110397) 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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