



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

Electrical Safety in Oil & Gas

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0443 · NQF Level 5 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips oil and gas industry personnel with the essential knowledge and skills to work safely with electrical systems in hazardous environments. It covers the identification of electrical hazards, understanding of relevant legislation and standards, and implementation of control measures to prevent injuries and incidents. The course emphasizes practical application to ensure a safe working environment in line with South African regulations.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0443
Accreditation	SAQA Accredited · NQF Level 5 · 2 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply the principles of electrical safety to identify and assess hazards in oil and gas installations.
- Analyze the requirements of relevant South African legislation and industry standards for electrical safety.
- Evaluate the effectiveness of various control measures, including isolation, earthing, and explosion-proof equipment.
- Demonstrate safe work practices when working on or near electrical systems in hazardous areas.
- Implement emergency response procedures for electrical incidents.
- Design a safe system of work for electrical maintenance tasks in the oil and gas industry.

WHO SHOULD ATTEND

- This course is designed for electricians, maintenance technicians, supervisors, and safety officers working in the oil and gas sector.
- It is also suitable for anyone who works with or around electrical equipment in potentially explosive atmospheres.

COURSE OUTLINE

Day 1: Electrical Safety Fundamentals and Hazard Management in Oil & Gas

- Introduction to electrical safety in the oil & gas industry
- Basic electrical principles: voltage, current, resistance, and power
- Types of electrical hazards: shock, arc flash, fire, and explosion
- Hazardous area classification (Zone 0, 1, 2) and equipment selection
- Legislation and standards: OHS Act, SANS 10142, and SANS 10108
- Safe work practices: lockout/tagout, permit to work, and PPE
- Emergency response: first aid for electric shock, firefighting
- Case studies: incidents and lessons learned

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 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 9,900.00	R 9,900.00
1	In-House	R 12,800.00	R 12,800.00
1	On-Campus (Pretoria)	R 14,800.00	R 14,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
30 Sep 2026	30 Sep 2026	On-Campus	Blantyre, Malawi
01 Oct 2026	01 Oct 2026	On-Campus	Mombasa, Kenya
01 Oct 2026	01 Oct 2026	On-Campus	Victoria Falls, Zimbabwe
02 Oct 2026	02 Oct 2026	In-House	—
05 Oct 2026	05 Oct 2026	On-Campus	Nairobi, Kenya
06 Oct 2026	06 Oct 2026	Online	—
07 Oct 2026	07 Oct 2026	On-Campus	Mbabane, Eswatini
07 Oct 2026	07 Oct 2026	On-Campus	Bangkok, Thailand

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 AATICD-0443) 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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