



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 Installation Requirements Determination

Law, Military Science and Security / Safety in Society

Unit Standard 244323 · NQF Level 4 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the skills to accurately determine electrical installation requirements in compliance with South African regulations and standards. Participants will learn to interpret specifications, assess site conditions, and compile installation requirements effectively.

Category	Law, Military Science and Security
Subfield	Safety in Society
Unit Standard	244323
Accreditation	SAQA Accredited · NQF Level 4 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant regulations and standards to determine installation requirements.
- Analyze site conditions and client specifications to identify electrical needs.
- Evaluate load requirements and select appropriate equipment and materials.
- Design installation layouts that comply with safety and performance criteria.
- Implement procedures for documenting and communicating installation requirements.
- Demonstrate compliance with quality assurance and risk management protocols.

WHO SHOULD ATTEND

- This course is designed for electricians, electrical engineers, and installation technicians who are involved in planning or executing electrical installations.
- It is also suitable for supervisors and project managers overseeing electrical work.

COURSE OUTLINE

Day 1: Fundamentals of Electrical Installation Requirements

- Overview of SANS 10142-1 and OHS Act requirements.
- Classification of electrical supply systems (TN, TT, IT).
- Load assessment and diversity factors.
- Environmental influences (temperature, moisture, corrosive atmospheres).
- Cable selection and sizing calculations.
- Overcurrent and earth fault protection principles.
- Voltage drop compliance.
- Documentation and specification of installation requirements.

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 4**.

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
11 Aug 2026	11 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Mauritius
13 Aug 2026	13 Aug 2026	On-Campus	Abu Dhabi, UAE
13 Aug 2026	13 Aug 2026	On-Campus	Cape Town, South Africa
14 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
14 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	17 Aug 2026	On-Campus	Harare, Zimbabwe
17 Aug 2026	17 Aug 2026	On-Campus	Abu Dhabi, 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 244323) 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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