



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

Industrial Socket Outlet Installation Above 16 Ampere Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110394 · NQF Level 2 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the skills and knowledge required to install industrial socket outlets rated above 16 amperes safely and in compliance with South African standards. It covers wiring, testing, and commissioning of high-current sockets in industrial environments, ensuring adherence to SANS 10142-1 (The Wiring of Premises) and relevant health and safety regulations.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110394
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 relevant safety procedures and regulations when installing industrial socket outlets above 16 amperes.
- Interpret wiring diagrams and specifications to determine correct installation methods and materials.
- Install industrial socket outlets above 16 amperes in accordance with manufacturer instructions and SANS 10142-1.
- Test installed socket outlets for correct polarity, earth continuity, and load capacity using appropriate instruments.
- Demonstrate proper commissioning and documentation procedures for industrial socket outlet installations.
- Evaluate the installation for compliance with health, safety, and quality standards.

WHO SHOULD ATTEND

- This training is designed for electricians, electrical contractors, maintenance technicians, and artisans who are involved in industrial electrical installations and require competency in installing high-amperage socket outlets.

COURSE OUTLINE

Day 1: Industrial Socket Outlet Installation Above 16A

- Introduction to unit standard 110394 and scope of work
- Regulatory framework: SANS 10142-1, OHS Act, and relevant SANS standards
- Types of industrial socket outlets and plugs (e.g., IEC 60309)
- Selection of cables, circuit breakers, and enclosures for >16A
- Installation procedures: wiring, termination, glanding, and sealing
- Earthing, bonding, and earth leakage protection
- Testing: insulation resistance, polarity, loop impedance, and RCD operation
- Documentation and certification of installation

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
04 Aug 2026	04 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	04 Aug 2026	On-Campus	Lagos, Nigeria
05 Aug 2026	05 Aug 2026	On-Campus	Johannesburg, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Mauritius
07 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	12 Aug 2026	On-Campus	Mauritius

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 110394) 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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