



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

Elementary Electronics for Electronic Systems

Law, Military Science and Security / Safety in Society

Unit Standard 244321 · NQF Level 3 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with fundamental knowledge and practical skills in elementary electronics as applied to electronic systems. Participants will understand basic electronic components, circuits, and their applications in real-world electronic systems, enabling them to perform basic troubleshooting and maintenance tasks.

Category	Law, Military Science and Security
Subfield	Safety in Society
Unit Standard	244321
Accreditation	SAQA Accredited · NQF Level 3 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply fundamental principles of electricity and electronics to analyze simple electronic circuits.
- Identify and describe the functions of basic electronic components such as resistors, capacitors, diodes, and transistors.
- Demonstrate the use of multimeters and other basic test equipment to measure voltage, current, and resistance.
- Interpret circuit diagrams and schematic symbols to assemble and test simple electronic circuits.
- Evaluate basic electronic circuits for correct operation and perform elementary troubleshooting.
- Implement safety procedures when working with electronic circuits and equipment.

WHO SHOULD ATTEND

- This course is designed for technicians, electricians, and individuals entering the electronics field who require foundational understanding of electronic systems.
- It is also suitable for hobbyists and professionals seeking to enhance their practical electronics knowledge.

COURSE OUTLINE

Day 1: Fundamentals of Electronic Systems

- Introduction to electronics: voltage, current, resistance, and power
- Ohm's Law and Kirchhoff's Laws
- Electronic components: resistors, capacitors, diodes, transistors, and integrated circuits
- Reading circuit schematics and component symbols
- Soldering basics and safety precautions
- Using a multimeter for voltage, current, and resistance measurements
- Overview of electronic systems and their applications
- Troubleshooting simple circuits

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 3**.

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
07 Aug 2026	07 Aug 2026	On-Campus	Mauritius
10 Aug 2026	10 Aug 2026	On-Campus	Dubai, UAE
12 Aug 2026	12 Aug 2026	On-Campus	Pretoria, South Africa
13 Aug 2026	13 Aug 2026	On-Campus	Abu Dhabi, UAE
13 Aug 2026	13 Aug 2026	On-Campus	Mauritius
14 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
14 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
17 Aug 2026	17 Aug 2026	On-Campus	Pretoria, South Africa

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 244321) 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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