



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

Electronic Access Control Fundamentals

Law, Military Science and Security / Safety in Society

Unit Standard 244325 · NQF Level 4 · 6 Credits · 3 Days

COURSE OVERVIEW

This course provides a comprehensive understanding of electronic access control systems, including their components, operation, and integration within security infrastructure. Participants will learn to identify, apply, and troubleshoot basic electronic access control technologies in accordance with industry standards and South African regulations.

Category	Law, Military Science and Security
Subfield	Safety in Society
Unit Standard	244325
Accreditation	SAQA Accredited · NQF Level 4 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Explain the principles and components of electronic access control systems.
- Identify different types of access control technologies and their applications.
- Demonstrate the ability to configure basic access control parameters.
- Analyze the integration of access control with other security systems.
- Apply relevant South African legislation and standards to access control installations.
- Evaluate common faults and troubleshoot basic system issues.

WHO SHOULD ATTEND

- Security professionals, technicians, and facility managers seeking foundational knowledge in electronic access control systems.
- Also suitable for individuals entering the security technology field.

COURSE OUTLINE

Day 1: Introduction to Electronic Access Control Systems

- Overview of electronic access control: history and evolution.
- Basic components: credentials (cards, fobs, biometrics), readers, controllers, locks.
- Types of systems: standalone vs. networked, online vs. offline.
- System architecture: central vs. distributed processing.
- Security concepts: authentication, authorization, accounting (AAA).
- Introduction to wiring and power considerations.
- Safety and regulatory standards (e.g., SANS, fire codes).

Day 2: System Design and Configuration

- Site survey and system design principles.
- Controller programming: adding users, assigning credentials.
- Door hardware: electric strikes, magnetic locks, exit devices.
- Wiring and connectivity: RS-485, TCP/IP, Wiegand protocols.
- Software configuration: user groups, time schedules, holiday settings.
- Integration with other systems: CCTV, intercom, alarm systems.
- Troubleshooting common issues: reader errors, lock failures.

Day 3: Advanced Features and Practical Integration

- Biometric systems: fingerprint, facial recognition, iris scanning.
- Multi-factor authentication and credential management.
- Integration with CCTV: event-triggered recording.
- Integration with intrusion detection and intercom systems.
- System testing: functionality, fail-safe/fail-secure modes.
- Commissioning and handover procedures.
- Maintenance: firmware updates, battery backups, log reviews.
- Compliance with POPIA and security standards.

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 **6 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,900.00	R 17,900.00
1	In-House	R 23,300.00	R 23,300.00
1	On-Campus (Pretoria)	R 26,800.00	R 26,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	12 Aug 2026	On-Campus	Pretoria, South Africa
10 Aug 2026	12 Aug 2026	On-Campus	Mauritius
11 Aug 2026	13 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
12 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
17 Aug 2026	19 Aug 2026	On-Campus	Shenzhen, China
17 Aug 2026	19 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 244325) 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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