



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

Smart Card System Operation

Services / Hospitality, Tourism, Travel, Gaming and Leisure

Unit Standard 258058 · NQF Level 3 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the practical skills and theoretical knowledge required to operate smart card systems effectively. Participants will understand the principles of smart card technology, including card types, readers, and software interfaces, and will be able to perform routine operations such as issuance, activation, and troubleshooting. The course ensures compliance with relevant security protocols and industry standards.

Category	Services
Subfield	Hospitality, Tourism, Travel, Gaming and Leisure
Unit Standard	258058
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 the principles of smart card technology to identify different card types and their applications.
- Demonstrate the correct procedure for issuing, activating, and deactivating smart cards using dedicated software.
- Analyze common smart card system errors and implement appropriate troubleshooting techniques.
- Evaluate security protocols related to smart card systems and ensure compliance with organisational policies.
- Implement data capture and reporting processes for smart card transactions and usage logs.
- Design basic maintenance schedules and perform routine checks to ensure system reliability.

WHO SHOULD ATTEND

- This course is designed for employees responsible for managing or operating smart card systems in corporate, government, or service environments, such as access control officers, IT support staff, and facility managers.

COURSE OUTLINE

Day 1: Smart Card Fundamentals and System Operation

- Introduction to smart card technology: types, standards (ISO/IEC 7816, 14443), and applications
- Smart card components: chip, memory, operating system, and interfaces
- Operational modes: contact, contactless, and dual-interface
- Card lifecycle: personalization, issuance, usage, and termination
- Security mechanisms: authentication, encryption, and secure element
- Smart card readers and terminals: types and communication protocols
- System integration: host software, middleware, and backend systems
- Troubleshooting common issues and maintenance procedures

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
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	Durban, South Africa
12 Aug 2026	12 Aug 2026	On-Campus	Mauritius
13 Aug 2026	13 Aug 2026	On-Campus	Cape Town, South Africa
14 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	17 Aug 2026	On-Campus	Abu Dhabi, UAE
18 Aug 2026	18 Aug 2026	On-Campus	Durban, 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 258058) 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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