



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

X-Ray Screening Equipment Operation for Security

Law, Military Science and Security / Safety in Society

Unit Standard 242835 · NQF Level 4 · 3 Credits · 1 Day

COURSE OVERVIEW

This course equips security personnel with the skills and knowledge to operate x-ray screening equipment effectively and safely within a security environment. Learners will understand the principles of x-ray technology, interpret scanned images, and apply safety protocols to ensure regulatory compliance and threat detection.

Category	Law, Military Science and Security
Subfield	Safety in Society
Unit Standard	242835
Accreditation	SAQA Accredited · NQF Level 4 · 3 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply safety procedures and regulatory requirements when operating x-ray screening equipment.
- Analyze x-ray images to identify potential threats, prohibited items, and anomalies.
- Demonstrate correct operational procedures for starting, calibrating, and shutting down x-ray equipment.
- Evaluate image quality and adjust equipment settings to optimize detection.
- Implement proper handling and reporting protocols for detected threats or suspicious items.
- Perform routine maintenance checks and troubleshoot common equipment faults.

WHO SHOULD ATTEND

- Security officers, aviation security staff, and checkpoint operators who are required to operate x-ray screening equipment as part of their duties.

COURSE OUTLINE

Day 1: Fundamentals of X-Ray Screening Equipment Operation

- Introduction to X-ray technology and security screening.
- Radiation safety principles and regulatory requirements.
- Components of X-ray screening systems: generator, detector, conveyor, workstation.
- Image interpretation: organic, inorganic, and mixed materials.
- Threat identification: weapons, explosives, liquids, and electronic devices.
- Standard operating procedures: startup, calibration, and shutdown.
- Common image artifacts and troubleshooting.
- Security protocols and incident reporting.

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 **3 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
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	Harare, Zimbabwe
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 242835) 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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