



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

CCTV Systems Understanding and Operation

Law, Military Science and Security / Safety in Society

Unit Standard 244337 · NQF Level 4 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the foundational knowledge and practical skills to understand and operate CCTV systems effectively. It covers key concepts, system components, operational procedures, and legal considerations relevant to the South African security industry.

Category	Law, Military Science and Security
Subfield	Safety in Society
Unit Standard	244337
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 purpose and principles of CCTV systems
- Identify and describe the main components of a CCTV system
- Demonstrate correct operation of CCTV equipment and monitoring procedures
- Apply basic troubleshooting techniques to resolve common CCTV issues
- Comply with relevant legislation, policies, and procedures regarding CCTV use
- Evaluate recorded footage and produce accurate incident reports

WHO SHOULD ATTEND

- Security officers, control room operators, and individuals responsible for monitoring or managing CCTV systems in corporate, industrial, or public environments.

COURSE OUTLINE

Day 1: Fundamentals of CCTV Systems

- Introduction to CCTV: history, uses, and benefits
- System components: cameras, lenses, DVRs/NVRs, monitors, cables
- Camera types: analog, IP, PTZ, dome, bullet, thermal
- Lens selection: focal length, field of view, aperture
- Recording technology: DVR vs NVR, resolution, frame rates, storage
- Cabling: coaxial, UTP, fiber optics, power over Ethernet (PoE)
- Power supply considerations and surge protection
- Health and safety regulations, site assessment basics

Day 2: CCTV System Design and Installation

- Site survey: assessing coverage areas, lighting, obstacles
- Camera placement: height, angle, field of view, avoiding blind spots
- Cable routing: conduit, cable trays, burial, aesthetics
- Termination: BNC connectors, RJ45 crimping, testing with multimeter and cable tester
- IP camera setup: assigning IP addresses, subnet masks, gateway
- NVR configuration: adding cameras, setting recording schedules, motion detection
- Power over Ethernet (PoE) switch installation and budgeting
- Common installation faults and troubleshooting techniques

Day 3: CCTV Operation, Maintenance, and Integration

- User interface navigation: live view, PTZ control, digital zoom
- Playback and search: time/date, motion events, bookmarking
- Exporting footage: formats, compression, chain of custody
- Remote viewing: port forwarding, DDNS, mobile apps
- Maintenance: cleaning lenses, checking connections, firmware updates
- Integration with access control and alarm systems
- Data retention policies and GDPR/POPIA compliance
- Practical assessment: system setup, operation, and troubleshooting

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	Abu Dhabi, UAE
10 Aug 2026	12 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	13 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	13 Aug 2026	On-Campus	Mauritius
12 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
12 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	19 Aug 2026	On-Campus	Harare, Zimbabwe
17 Aug 2026	19 Aug 2026	On-Campus	Abu Dhabi, UAE

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 244337) 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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