



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

Aluminium Alloy Scaffolding Monitoring and Control

Services / Cleaning, Domestic, Hiring, Property and Rescue Services

Unit Standard 243274 · NQF Level 4 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to effectively monitor and control the use of prefabricated aluminium alloy scaffolding in compliance with South African health and safety regulations. Participants will learn to inspect, erect, and dismantle scaffolding safely, identify hazards, and implement control measures to prevent accidents. The course ensures competence in managing scaffolding operations on construction and industrial sites.

Category	Services
Subfield	Cleaning, Domestic, Hiring, Property and Rescue Services
Unit Standard	243274
Accreditation	SAQA Accredited · NQF Level 4 · 8 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the ability to inspect prefabricated aluminium alloy scaffolding components for defects and compliance with standards.
- Apply safe erection and dismantling procedures for aluminium alloy scaffolding in accordance with manufacturer specifications.
- Evaluate site conditions and implement control measures to mitigate risks associated with scaffolding use.
- Monitor scaffolding usage to ensure ongoing stability and safety throughout the work period.
- Implement corrective actions when deviations or unsafe practices are identified during scaffolding operations.
- Document and report scaffolding inspections, incidents, and maintenance activities according to organisational procedures.

WHO SHOULD ATTEND

- This course is designed for construction supervisors, safety officers, scaffold erectors, and site managers responsible for overseeing scaffolding operations.
- It is also suitable for anyone seeking to enhance their competency in aluminium alloy scaffolding safety and control.

COURSE OUTLINE

Day 1: Introduction to Aluminium Alloy Scaffolding and Regulatory Framework

- Overview of aluminium alloy scaffolding: materials, properties, and applications.
- South African legislative framework: OHSA, SANS 10085-1, and SANS 10085-2.
- SAQA unit standard 243274: outcomes and assessment criteria.
- Roles and responsibilities: competent person, erector, inspector, user.
- Scaffolding components: tubes, couplers, base plates, ladders, platforms.
- Introduction to load classifications and safe working loads.

Day 2: Scaffolding Design, Load Calculations, and Stability Principles

- Design principles: strength, stiffness, stability.
- Load calculations: dead load, live load, wind load, snow load (where applicable).
- Stability: overturning, sliding, and buckling prevention.
- Bracing systems: longitudinal, transverse, and plan bracing.
- Reading and interpreting scaffold design drawings.
- Factors affecting scaffold capacity: span, bay length, height.

Day 3: Erection, Dismantling, and Alteration Procedures

- Pre-erection checks: ground conditions, component inspection.
- Erection sequence: base, frames, bracing, platforms, guardrails.
- Dismantling sequence: reverse order, safe lowering of components.
- Fall protection: personal protective equipment, anchor points, lifelines.
- Edge protection: handrails, toe boards, mesh.
- Alterations: adding/removing components, re-bracing, load changes.
- Tagging and handover procedures.

Day 4: Inspection, Monitoring, and Control Systems

- Inspection types: initial, pre-use, weekly, and post-event.
- Component inspection: cracks, dents, corrosion, deformation.
- Checking connections: couplers, wedges, pins.
- Monitoring: load monitoring, movement detection (e.g., plumb checks).
- Control measures: access control, load limits, exclusion zones.
- Documentation: inspection checklists, reports, tagging systems.
- Non-destructive testing methods for aluminium.

Day 5: Emergency Procedures, Risk Management, and Practical Integration

- Emergency procedures: collapse, electrical contact, falling objects.
- Rescue planning: rescue equipment, evacuation routes.
- Risk assessment: hazard identification, risk rating, control hierarchy.
- Scaffold management plan: roles, inspections, maintenance, records.
- Case studies of scaffold failures and lessons learned.
- Review of key concepts and assessment preparation.

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 **8 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 23,000.00	R 23,000.00
1	In-House	R 29,900.00	R 29,900.00
1	On-Campus (Pretoria)	R 34,500.00	R 34,500.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
03 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Mauritius
03 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	14 Aug 2026	On-Campus	Mauritius
10 Aug 2026	14 Aug 2026	On-Campus	Cape Town, 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 243274) 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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