



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

Reinforcing Drawings Interpretation And Application Training

Physical Planning and Construction / Civil Engineering Construction

Unit Standard 116556 · NQF Level 4 · 5 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the advanced skills needed to interpret and apply engineering drawings in a construction or manufacturing environment. Participants will learn to read complex drawings, extract critical dimensions, and apply reinforcement details accurately. The training ensures compliance with industry standards and enhances workplace safety and efficiency.

Category	Physical Planning and Construction
Subfield	Civil Engineering Construction
Unit Standard	116556
Accreditation	SAQA Accredited · NQF Level 4 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply correct interpretation of reinforcement drawings to identify bar sizes, spacing, and placement.
- Analyze reinforcement details to determine bending schedules and lap lengths.
- Evaluate drawings for compliance with relevant SANS and structural standards.
- Demonstrate the ability to transfer reinforcement information from drawings to site execution.
- Implement quality control checks to verify reinforcement placement against drawings.
- Communicate reinforcement requirements effectively to team members and stakeholders.

WHO SHOULD ATTEND

- This course is designed for construction supervisors, civil engineering technicians, and site managers who are responsible for interpreting reinforcement drawings and ensuring correct implementation on site.

COURSE OUTLINE

Day 1: Fundamentals of Reinforcing Drawings

- Overview of reinforcing drawings and their role in construction.
- Standard symbols, abbreviations, and notations (SANS 10120).
- Components of reinforcing drawings: plans, sections, elevations, and details.
- Bar schedules: reading bar marks, sizes, spacing, and shapes.
- Bending schedules: understanding bend types and dimensions.
- Reinforcement types: mild steel, high-yield steel, welded mesh.
- Measurement and scaling: using scales and measuring tools.
- Practical exercise: interpreting a simple reinforcing drawing.

Day 2: Advanced Application and Integration

- Complex reinforcing configurations: beams, columns, slabs, footings, and walls.
- Interpreting lap lengths, anchorages, and cover requirements.
- Calculating reinforcement quantities: mass, length, and area.
- Material take-offs: generating schedules for procurement.
- Coordination with structural and architectural drawings.
- Common errors and quality control: checking for clashes and compliance.
- Practical exercise: interpreting a multi-element reinforcing drawing set.
- Assessment: case study on reinforcement interpretation and application.

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 **5 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 15,400.00	R 15,400.00
1	In-House	R 20,000.00	R 20,000.00
1	On-Campus (Pretoria)	R 23,100.00	R 23,100.00

UPCOMING SESSIONS

Start	End	Method	Venue
05 Aug 2026	06 Aug 2026	On-Campus	Pretoria, South Africa
05 Aug 2026	06 Aug 2026	On-Campus	Cape Town, South Africa
05 Aug 2026	06 Aug 2026	On-Campus	Johannesburg, South Africa
11 Aug 2026	12 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	12 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	12 Aug 2026	On-Campus	Mauritius
13 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
13 Aug 2026	14 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 116556) 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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