



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

Plan Reading Fundamentals For Construction And Engineering Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110173 · NQF Level 1 · 3 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the fundamental skills to read and interpret construction and engineering plans accurately. Participants will gain the ability to identify key plan elements, symbols, and scales, enabling them to contribute effectively to project execution and quality assurance.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110173
Accreditation	SAQA Accredited · NQF Level 1 · 3 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and interpret common symbols, abbreviations, and notations used in construction and engineering plans.
- Apply appropriate scales and measurement techniques to determine dimensions and quantities from plans.
- Analyze plan views (e.g., elevations, sections, and details) to extract relevant information for project tasks.
- Evaluate plan accuracy by cross-referencing different views and checking for consistency.
- Demonstrate the ability to locate key features such as foundations, structural elements, and services on a plan.

WHO SHOULD ATTEND

- This course is ideal for construction and engineering professionals, including site supervisors, technicians, and tradespeople, who need to read and interpret plans as part of their daily responsibilities.

COURSE OUTLINE

Day 1: Fundamentals of Plan Reading for Construction and Engineering

- Introduction to plan reading: importance in construction and engineering
- Drawing conventions: line types, symbols, abbreviations, and hatching patterns
- Types of drawings: site plans, floor plans, elevations, sections, and detail drawings
- Title blocks, scales, dimensions, and notes
- Orientation and layout: north arrows, gridlines, and reference systems
- Interpreting plan, elevation, and section views
- Basic measurement and scaling exercises
- Common errors and best practices in plan reading

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 1**.

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
06 Aug 2026	06 Aug 2026	On-Campus	Cape Town, South Africa
07 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	10 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	11 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Mauritius
12 Aug 2026	12 Aug 2026	On-Campus	Cape Town, South Africa
13 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
14 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 110173) 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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