



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

Read And Interpret An Elementary Engineering Drawing Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 119976 · NQF Level 1 · 3 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the fundamental skills required to read and interpret elementary engineering drawings commonly used in manufacturing, construction, and maintenance environments. Participants will gain the ability to identify drawing views, symbols, dimensions, and tolerances, enabling them to extract essential information for work execution. The training ensures compliance with industry standards and promotes accuracy in interpreting technical documentation.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	119976
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 explain the purpose of different types of lines, symbols, and abbreviations used on elementary engineering drawings.
- Interpret orthographic projections, including front, top, and side views, to visualize the shape of an object.
- Apply knowledge of dimensioning and tolerancing to extract measurements and allowable variations from drawings.
- Demonstrate the ability to locate and interpret title blocks, notes, and revision blocks on engineering drawings.
- Analyze a given drawing to determine material specifications, surface finishes, and assembly requirements.
- Evaluate drawing information to ensure compliance with relevant South African and international standards.

WHO SHOULD ATTEND

- This course is designed for artisans, technicians, operators, and entry-level engineers who need to read and understand basic engineering drawings as part of their daily work.
- It is also suitable for supervisors and quality control personnel requiring foundational drawing interpretation skills.

COURSE OUTLINE

Day 1: Introduction to Engineering Drawings and Basic Interpretation

- Overview of engineering drawings and their role in manufacturing and construction.
- Drawing layout: title block, border, revision table.
- Types of lines: visible, hidden, centre, dimension, extension, leader.
- Orthographic projection: first-angle vs third-angle projection.
- Basic dimensioning: linear, angular, and diameter/radius.
- Introduction to tolerances and fits.
- Standard symbols: surface finish, welding, and geometric tolerancing.
- Practical exercise: reading a simple part drawing and extracting key information.

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
03 Aug 2026	03 Aug 2026	On-Campus	Johannesburg, South Africa
04 Aug 2026	04 Aug 2026	On-Campus	Mauritius
05 Aug 2026	05 Aug 2026	On-Campus	Cape Town, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Dubai, UAE
07 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
07 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	10 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Mauritius

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 119976) 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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