



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

Interpret And Produce Free Hand Drawings Training

Manufacturing, Engineering and Technology / Engineering and Related Design

Unit Standard 120224 · NQF Level 3 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the skills to interpret and produce freehand drawings, enabling clear visual communication of ideas and technical concepts in various workplace contexts. Participants will learn to apply drawing conventions, use appropriate tools, and produce accurate representations to support planning, design, and instructional activities.

Category	Manufacturing, Engineering and Technology
Subfield	Engineering and Related Design
Unit Standard	120224
Accreditation	SAQA Accredited · NQF Level 3 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Interpret and explain the purpose and conventions of freehand drawings in a given context.
- Apply appropriate drawing techniques and tools to produce accurate freehand sketches.
- Demonstrate the ability to visualize and represent objects in two and three dimensions.
- Use dimensioning, scaling, and annotation conventions to enhance drawing clarity.
- Analyze a drawing brief and produce a freehand drawing that meets specified requirements.
- Evaluate and refine own drawings for accuracy, proportion, and adherence to standards.

WHO SHOULD ATTEND

- This course is ideal for artisans, technicians, supervisors, and managers who need to convey technical information through sketches, as well as anyone involved in planning, design, or maintenance who requires basic drawing skills.

COURSE OUTLINE

Day 1: Introduction to Free Hand Drawing Principles

- Overview of free hand drawing and its importance in technical fields.
- Drawing tools: pencils, erasers, paper types, and sharpeners.
- Basic line types: straight, curved, continuous, and dashed.
- Understanding proportion and scale through grid methods.
- Observational drawing: sketching simple geometric shapes.
- Introduction to drawing conventions: line weights, hatching, and shading.
- Practical exercise: sketching a cube and a cylinder with correct proportions.

Day 2: Developing Technical Drawing Skills

- Orthographic projection: front, top, and side views.
- Isometric drawing: axes, angles, and constructing basic shapes.
- Scaling techniques: using rulers and proportional dividers.
- Dimensioning rules: placement, arrows, and units.
- Annotation: labels, notes, and title blocks.
- Practical exercise: sketch a simple bracket in orthographic and isometric views.
- Common errors in free hand technical drawings and how to avoid them.

Day 3: Advanced Applications and Practical Integration

- Field sketching: measuring and recording real-world objects.
- Free hand drawing for design iterations and concept communication.
- Error detection and correction techniques in free hand drawings.
- Quality control: checking proportions, scale, and clarity.
- Integration of multiple views and sections in a single drawing.
- Practical assessment: produce a complete free hand drawing of a given object.
- Review of unit standard outcomes and portfolio requirements.
- Feedback session and certification guidance.

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 3**.

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
03 Aug 2026	05 Aug 2026	On-Campus	Cape Town, South Africa
03 Aug 2026	05 Aug 2026	On-Campus	Lagos, Nigeria
04 Aug 2026	06 Aug 2026	On-Campus	Dubai, UAE
04 Aug 2026	06 Aug 2026	On-Campus	Johannesburg, South Africa
05 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
05 Aug 2026	07 Aug 2026	On-Campus	Mauritius
10 Aug 2026	12 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	12 Aug 2026	On-Campus	Dubai, 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 120224) 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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