



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Measure Wet and Dry Bulb Temperature with Whirling Hygrometer

Health Sciences and Social Services / Preventive Health

Unit Standard 259623 · NQF Level 2 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the skills to accurately measure wet and dry bulb temperatures using a whirling hygrometer, a critical tool for assessing environmental conditions in workplaces such as mines, factories, and laboratories. Participants will understand the principles of humidity measurement, perform calibrations, and interpret readings to ensure compliance with occupational health and safety standards.

Category	Health Sciences and Social Services
Subfield	Preventive Health
Unit Standard	259623
Accreditation	SAQA Accredited · NQF Level 2 · 2 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the correct assembly and use of a whirling hygrometer to measure wet and dry bulb temperatures.
- Apply the principles of evaporative cooling and psychrometry to interpret temperature readings.
- Calculate relative humidity, dew point, and other humidity parameters from measured data.
- Evaluate the accuracy of hygrometer readings by performing calibration checks and maintenance.
- Implement workplace monitoring protocols to ensure compliance with health and safety regulations.
- Analyze environmental conditions and recommend corrective actions based on hygrometer readings.

WHO SHOULD ATTEND

- This course is designed for safety officers, environmental health practitioners, laboratory technicians, and quality control personnel who need to monitor and control humidity levels in their work environments.

COURSE OUTLINE

Day 1: Measuring Wet and Dry Bulb Temperature with Whirling Hygrometer

- Introduction to humidity and psychrometry
- Principles of wet and dry bulb temperature measurement
- Components and assembly of a whirling hygrometer
- Step-by-step procedure for using the whirling hygrometer
- Determining relative humidity from psychrometric tables/charts
- Care, maintenance, and storage of the instrument
- Common errors and troubleshooting
- Practical application in environmental monitoring

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 **2 NQF credits** at **NQF Level 2**.

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
10 Aug 2026	10 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Dubai, UAE
12 Aug 2026	12 Aug 2026	On-Campus	Pretoria, South Africa
13 Aug 2026	13 Aug 2026	On-Campus	Abu Dhabi, UAE
14 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
14 Aug 2026	14 Aug 2026	On-Campus	Mauritius
17 Aug 2026	17 Aug 2026	On-Campus	Harare, Zimbabwe
17 Aug 2026	17 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 259623) 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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