



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

Measure Acceleration Of Vibration Training

Health Sciences and Social Services / Preventive Health

Unit Standard 120321 · NQF Level 3 · 2 Credits · 1 Day

COURSE OVERVIEW

This course provides learners with the knowledge and practical skills to measure acceleration of vibration training in occupational settings. It covers the principles of vibration measurement, equipment usage, data interpretation, and reporting to ensure compliance with health and safety regulations.

Category	Health Sciences and Social Services
Subfield	Preventive Health
Unit Standard	120321
Accreditation	SAQA Accredited · NQF Level 3 · 2 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate understanding of vibration theory and its effects on the human body.
- Apply appropriate measurement techniques and use vibration measurement instruments correctly.
- Analyze acceleration data to assess vibration levels against regulatory limits.
- Evaluate measurement results and identify potential risks to health and safety.
- Report findings and recommend control measures to mitigate vibration exposure.

WHO SHOULD ATTEND

- This course is designed for health and safety officers, occupational hygienists, engineers, and technicians responsible for monitoring and controlling vibration exposure in the workplace.

COURSE OUTLINE

Day 1: Fundamentals of Vibration Acceleration Measurement

- Introduction to vibration: amplitude, frequency, and acceleration.
- Units of measurement: m/s², g-force, and related conversions.
- Overview of accelerometers: types, selection, and mounting.
- Data acquisition systems: signal conditioning and recording.
- Practical session: setup and calibration of measurement equipment.
- Conducting a vibration measurement test on a simple mechanical system.
- Data interpretation: reading waveforms and calculating peak/ RMS values.
- Safety considerations: electrical hazards, moving parts, and personal protective equipment.

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 3**.

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	Durban, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Mauritius
11 Aug 2026	11 Aug 2026	On-Campus	Cape Town, South Africa
12 Aug 2026	12 Aug 2026	On-Campus	Dubai, UAE
13 Aug 2026	13 Aug 2026	On-Campus	Pretoria, South Africa
14 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
17 Aug 2026	17 Aug 2026	On-Campus	Shenzhen, China
18 Aug 2026	18 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 120321) 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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