



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

Evaluate And Solve Data Handling And Probability Problems Within Given Contexts Training

Physical, Mathematical, Computer and Life Sciences / Mathematical Sciences

Unit Standard 119364 · NQF Level 1 · 5 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the skills to evaluate and solve data handling and probability problems in real-world contexts. Participants will learn to collect, organise, and interpret data, and apply probability concepts to make informed decisions. The training is designed to enhance analytical thinking and problem-solving abilities essential for professional environments.

Category	Physical, Mathematical, Computer and Life Sciences
Subfield	Mathematical Sciences
Unit Standard	119364
Accreditation	SAQA Accredited · NQF Level 1 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply appropriate data collection methods to gather relevant information for a given context.
- Analyse and interpret data using statistical measures such as mean, median, mode, and range.
- Evaluate probability problems using theoretical and experimental probability concepts.
- Design data displays (tables, graphs, charts) to communicate findings effectively.
- Implement decision-making strategies based on data analysis and probability outcomes.
- Demonstrate the ability to critique data sources and identify potential biases.

WHO SHOULD ATTEND

- This course is ideal for professionals, managers, and analysts who need to interpret data and assess probabilities in their daily work.
- It is also suitable for individuals seeking to improve their quantitative reasoning for career advancement.

COURSE OUTLINE

Day 1: Foundations of Data Handling and Probability

- Introduction to data handling: types of data (categorical, numerical) and sources.
- Data collection methods: surveys, experiments, and sampling techniques.
- Organising data: frequency tables, stem-and-leaf plots, and grouped data.
- Graphical representations: bar graphs, histograms, and pie charts.
- Measures of central tendency: mean, median, and mode.
- Measures of dispersion: range, interquartile range, and standard deviation.
- Basic probability concepts: experiments, outcomes, events, and sample space.
- Calculating probability: theoretical vs. experimental probability.

Day 2: Advanced Probability and Problem Solving

- Probability rules: addition rule for mutually exclusive events and multiplication rule for independent events.
- Conditional probability and dependent events.
- Contingency tables and Venn diagrams for probability problems.
- Tree diagrams for sequential events.
- Scatter plots and correlation: interpreting relationships between variables.
- Problem-solving strategies: identifying context, selecting appropriate methods, and validating results.
- Case studies: applying data handling and probability to workplace scenarios.
- Reporting findings: summarising data, drawing conclusions, and making recommendations.

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 **5 NQF credits** at **NQF Level 1**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 15,400.00	R 15,400.00
1	In-House	R 20,000.00	R 20,000.00
1	On-Campus (Pretoria)	R 23,100.00	R 23,100.00

UPCOMING SESSIONS

Start	End	Method	Venue
05 Aug 2026	06 Aug 2026	On-Campus	Pretoria, South Africa
05 Aug 2026	06 Aug 2026	On-Campus	Cape Town, South Africa
05 Aug 2026	06 Aug 2026	On-Campus	Johannesburg, South Africa
11 Aug 2026	12 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	12 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	12 Aug 2026	On-Campus	Mauritius
13 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
13 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 119364) 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.

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 · WhatsApp: +27 65 077 6310 · apply@aaticd.co.za · www.aaticd.co.za