



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

Demonstrate An Understanding Of Patterns Functions And Algebra Training

Physical, Mathematical, Computer and Life Sciences / Mathematical Sciences

Unit Standard 119365 · NQF Level 1 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the foundational understanding of patterns, functions, and algebra, essential for mathematical literacy in various workplace contexts. Participants will develop the ability to recognize, describe, and represent patterns and relationships using algebraic language and tools. The course bridges theoretical concepts with practical applications, fostering problem-solving and analytical skills relevant to data-driven decision-making.

Category	Physical, Mathematical, Computer and Life Sciences
Subfield	Mathematical Sciences
Unit Standard	119365
Accreditation	SAQA Accredited · NQF Level 1 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate understanding of patterns, relationships, and representations in real-world contexts.
- Apply algebraic methods to solve problems involving variables, equations, and inequalities.
- Analyze functional relationships using tables, graphs, and algebraic expressions.
- Evaluate patterns and functions to make predictions and informed decisions.
- Implement algebraic techniques to model and solve workplace-related problems.
- Demonstrate proficiency in communicating mathematical ideas using appropriate notation and terminology.

WHO SHOULD ATTEND

- This course is designed for individuals who need to apply mathematical reasoning in their professional roles, including administrators, technicians, and supervisors in industries such as finance, logistics, and information technology.
- It is suitable for learners seeking to improve their numerical competence for career advancement or further study.

COURSE OUTLINE

Day 1: Foundations of Patterns, Functions, and Algebra

- Introduction to patterns: numeric, geometric, and growing patterns.
- Defining functions: input-output relationships, domain, and range.
- Types of functions: linear, quadratic, exponential, and their graphs.
- Algebraic notation: variables, coefficients, constants, and expressions.
- Solving linear equations and inequalities.
- Representing functions using tables, graphs, and formulae.
- Practical applications: using functions to model real-life situations.
- Assessment: short quiz and group activity to identify patterns and functions.

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 **4 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	Mauritius
04 Aug 2026	04 Aug 2026	On-Campus	Cape Town, South Africa
05 Aug 2026	05 Aug 2026	On-Campus	Dubai, UAE
06 Aug 2026	06 Aug 2026	On-Campus	Pretoria, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Lagos, Nigeria
07 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	11 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 119365) 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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