



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

Analytical Thinking and Evidence-Based Decision Making

Custom Courses / Leadership and Management

Unit Standard AATICD-0038 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips professionals with the analytical skills and evidence-based approaches needed to make sound, defensible decisions in complex organisational environments. Participants will learn to systematically evaluate information, identify biases, and apply structured frameworks to improve decision quality and organisational outcomes.

Category	Custom Courses
Subfield	Leadership and Management
Unit Standard	AATICD-0038
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply a range of analytical thinking techniques to break down complex problems into manageable components.
- Analyze data and evidence from multiple sources to inform decision-making processes.
- Evaluate the reliability and validity of evidence to ensure sound decision-making.
- Design evidence-based decision-making frameworks tailored to specific organisational contexts.
- Implement decisions using a structured approach that considers risks, benefits, and stakeholder impact.
- Demonstrate critical thinking and reflection to continuously improve decision-making practices.

WHO SHOULD ATTEND

- This course is designed for managers, team leaders, analysts, and professionals who are required to make decisions that impact organisational performance and strategy.

COURSE OUTLINE

Day 1: Foundations of Analytical Thinking

- Introduction to analytical thinking
- The decision-making process
- Cognitive biases and heuristics
- Problem decomposition techniques
- Introduction to evidence and data
- The role of logic and reasoning
- Overview of decision-making frameworks

Day 2: Evidence and Data Literacy

- Types of evidence: anecdotal, observational, experimental
- Data quality and reliability
- Descriptive statistics: mean, median, mode, standard deviation
- Probability and uncertainty
- Correlation vs causation
- Evaluating sources and fact-checking
- Data visualisation best practices

Day 3: Analytical Frameworks and Tools

- SWOT and PESTLE analysis
- Root cause analysis: 5 Whys, Ishikawa diagram
- Decision matrices and scoring models
- Decision trees and expected value
- Cost-benefit analysis
- Introduction to hypothesis testing
- Designing simple experiments

Day 4: Advanced Analytical Techniques

- Systems thinking and causal loop diagrams
- Scenario planning and forecasting
- Risk assessment and mitigation
- Multi-criteria decision analysis (MCDA)
- Introduction to predictive analytics
- Monte Carlo simulation basics
- Limitations of models and assumptions

Day 5: Integration and Application

- Integrating frameworks and tools
- Presenting data and insights persuasively
- Ethical decision making and corporate governance
- Developing an analytical mindset
- Case study: end-to-end decision analysis
- Peer review and feedback
- Action planning for workplace application

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 **10 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,700.00	R 17,700.00
1	In-House	R 23,100.00	R 23,100.00
1	On-Campus (Pretoria)	R 26,700.00	R 26,700.00

UPCOMING SESSIONS

Start	End	Method	Venue
24 Aug 2026	28 Aug 2026	On-Campus	Victoria Falls, Zimbabwe
24 Aug 2026	28 Aug 2026	On-Campus	Bangkok, Thailand
31 Aug 2026	04 Sep 2026	On-Campus	Lusaka, Zambia
31 Aug 2026	04 Sep 2026	On-Campus	London, UK
07 Sep 2026	11 Sep 2026	On-Campus	Mauritius
07 Sep 2026	11 Sep 2026	On-Campus	Pretoria, South Africa
07 Sep 2026	11 Sep 2026	On-Campus	Abu Dhabi, UAE
07 Sep 2026	11 Sep 2026	On-Campus	Harare, Zimbabwe

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 AATICD-0038) 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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