



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

Scientific Decision Making for Clients and Communities

Agriculture and Nature Conservation / Primary Agriculture

Unit Standard 252479 · NQF Level 5 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips participants with the skills to empower clients and community members to make sound, evidence-based decisions. It focuses on fostering critical thinking, interpreting scientific data, and applying decision-making frameworks in real-world contexts.

Category	Agriculture and Nature Conservation
Subfield	Primary Agriculture
Unit Standard	252479
Accreditation	SAQA Accredited · NQF Level 5 · 8 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply scientific reasoning frameworks to analyze community and client issues.
- Evaluate the validity and reliability of scientific information sources.
- Design decision-making processes that integrate scientific evidence with local knowledge.
- Demonstrate effective communication strategies to explain scientific concepts to non-experts.
- Implement participatory methods to involve clients and communities in decision-making.
- Analyze ethical implications of scientific decisions on diverse populations.

WHO SHOULD ATTEND

- Professionals in community development, social work, public health, or client-facing roles who need to guide others in making informed choices based on scientific principles.

COURSE OUTLINE

Day 1: Foundations of Scientific Decision Making

- Introduction to scientific decision making
- The decision-making process: problem identification, criteria, alternatives, evaluation
- Evidence-based vs. intuition-based decisions
- Types of decisions (operational, tactical, strategic)
- Ethical considerations in decision making
- Overview of decision-making models (rational, bounded rationality, intuitive)

Day 2: Data Collection and Analysis Techniques

- Quantitative vs. qualitative data
- Data collection methods: surveys, focus groups, secondary data
- Sampling techniques and bias awareness
- Descriptive statistics: mean, median, mode, standard deviation
- Data visualization: charts and graphs
- Introduction to inferential statistics (confidence intervals, p-values)

Day 3: Decision Analysis Tools and Frameworks

- Decision trees and expected value
- Cost-benefit analysis (CBA)
- Multi-criteria decision analysis (MCDA)
- Risk assessment and management
- Sensitivity analysis
- Scenario planning

Day 4: Applying Scientific Decision Making to Client and Community Cases

- Stakeholder analysis and engagement
- Case study: community health intervention
- Case study: client service improvement
- Ethical dilemmas in practice
- Decision documentation and reporting
- Presentation of decision recommendations

Day 5: Integration, Evaluation, and Continuous Improvement

- Building a decision-making culture
- Monitoring and evaluation of decisions
- Feedback loops and adaptive management
- Overcoming common barriers (cognitive biases, organisational inertia)
- Personal action planning
- Course review and assessment

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 **8 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 24,200.00	R 24,200.00
1	In-House	R 31,400.00	R 31,400.00
1	On-Campus (Pretoria)	R 36,200.00	R 36,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
10 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Mauritius
17 Aug 2026	21 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	21 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 252479) 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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