



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

Collect Data For Environmental Management Purposes Training

Physical, Mathematical, Computer and Life Sciences / Environmental Sciences

Unit Standard 119822 · NQF Level 3 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the skills to systematically collect, record, and manage environmental data for monitoring and reporting purposes. It focuses on practical data collection techniques, ensuring compliance with South African environmental legislation and organisational policies.

Category	Physical, Mathematical, Computer and Life Sciences
Subfield	Environmental Sciences
Unit Standard	119822
Accreditation	SAQA Accredited · NQF Level 3 · 8 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate knowledge of environmental data collection principles and relevant legislation.
- Apply appropriate sampling and measurement techniques to collect environmental data.
- Record and store data accurately using standard formats and tools.
- Analyze collected data to identify trends and potential environmental impacts.
- Evaluate data quality and implement corrective actions where necessary.
- Report findings in a clear, concise manner to stakeholders.

WHO SHOULD ATTEND

- Environmental officers, field workers, and technicians responsible for gathering environmental data in sectors such as mining, agriculture, manufacturing, or conservation.

COURSE OUTLINE

Day 1: Introduction to Environmental Data Collection

- Overview of environmental management and the role of data.
- Relevant South African environmental legislation (NEMA, NWA, etc.).
- Types of environmental data: physical, chemical, biological, social.
- Sources of data: field measurements, remote sensing, existing databases.
- Ethical considerations and data integrity.
- Introduction to the unit standard 119822.

Day 2: Planning and Designing Data Collection

- Setting data collection objectives and indicators.
- Sampling strategies: random, systematic, stratified.
- Equipment selection and calibration.
- Designing field data sheets and digital tools.
- Health and safety considerations in the field.
- Quality assurance and control measures.

Day 3: Field Data Collection Techniques

- Practical session: water quality sampling (pH, turbidity, dissolved oxygen).
- Soil sampling techniques and handling.
- Air quality monitoring basics.
- Biodiversity assessment methods (quadrats, transects).
- GPS use and spatial data recording.
- Troubleshooting common field issues.

Day 4: Data Management and Quality Control

- Data entry and database management (spreadsheets, GIS).
- Data validation techniques: range checks, duplicates.
- Descriptive statistics and graphical representation.
- Identifying outliers and anomalies.
- Metadata standards and record keeping.
- Chain of custody for samples.

Day 5: Reporting and Integration into Environmental Management

- Structuring an environmental data report.
- Linking data to environmental management plans (EMPs).
- Communication of results: tables, graphs, maps.
- Case studies: using data for compliance and decision-making.
- Feedback and continuous improvement.
- Final assessment and course wrap-up.

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 3**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 23,000.00	R 23,000.00
1	In-House	R 29,900.00	R 29,900.00
1	On-Campus (Pretoria)	R 34,500.00	R 34,500.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
03 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Mauritius
03 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	14 Aug 2026	On-Campus	Mauritius
10 Aug 2026	14 Aug 2026	On-Campus	Cape Town, 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 119822) 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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