



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

Data Collection Management for Transport Planning

Services / Transport, Operations and Logistics

Unit Standard 244243 · NQF Level 5 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips transport planning professionals with the skills to manage the entire data collection process, from planning and design to execution and quality assurance. Participants will learn to select appropriate data collection methods, manage field teams, and ensure data integrity for informed transport decisions.

Category	Services
Subfield	Transport, Operations and Logistics
Unit Standard	244243
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

- Plan a data collection process for transport planning, including defining objectives, scope, and resource requirements.
- Design data collection instruments and select appropriate methods (e.g., surveys, traffic counts, GPS tracking) for specific transport planning needs.
- Implement data collection activities, managing field teams and ensuring adherence to ethical and safety standards.
- Monitor data quality throughout the collection process, applying validation and verification techniques.
- Analyze collected data to identify trends, patterns, and anomalies relevant to transport planning.
- Evaluate the effectiveness of the data collection process and recommend improvements for future projects.

WHO SHOULD ATTEND

- Transport planners, data managers, and logistics coordinators involved in collecting and processing transport data for planning purposes.

COURSE OUTLINE

Day 1: Introduction to Data Collection in Transport Planning

- Overview of transport planning and data needs
- Types of transport data: traffic counts, travel surveys, GPS data
- Sources of data: primary vs secondary, manual vs automated
- Ethical considerations and data privacy laws (POPIA)
- Stakeholder roles in data collection
- Introduction to the data collection lifecycle

Day 2: Data Collection Methods and Techniques

- Manual methods: traffic counts, roadside interviews
- Automated methods: loop detectors, cameras, Bluetooth sensors
- Sampling strategies: random, stratified, cluster
- Survey design: questionnaires, travel diaries
- Using GPS and mobile phone data
- Quality assurance in data collection

Day 3: Data Management and Quality Control

- Data entry methods and software tools
- Data validation techniques: range checks, logic checks
- Database management for transport data
- Data cleaning and imputation methods
- Metadata and documentation standards
- Data security and backup procedures

Day 4: Data Analysis and Interpretation for Transport Planning

- Descriptive statistics: mean, median, mode, standard deviation
- Time-series analysis and trend identification
- Spatial analysis and mapping using GIS
- Data visualisation: charts, graphs, dashboards
- Interpreting results for transport planning
- Case studies: using data to solve transport problems

Day 5: Practical Integration and Reporting

- Report writing for transport data
- Presenting data to non-technical audiences
- Ethics and communication in reporting
- Evaluating data collection effectiveness
- Developing a comprehensive data collection plan
- 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 244243) 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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