



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

Basic Components of Transport Systems

Services / Transport, Operations and Logistics

Unit Standard 244242 · NQF Level 5 · 10 Credits · 7 Days

COURSE OVERVIEW

This course provides learners with a foundational understanding of the key components that make up transport systems, including infrastructure, vehicles, operations, and regulatory frameworks. It equips participants with the knowledge to identify and describe the roles of different elements within a transport system, enabling them to contribute effectively to transport-related activities in various industries.

Category	Services
Subfield	Transport, Operations and Logistics
Unit Standard	244242
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	7 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and describe the main components of a transport system, including infrastructure, vehicles, and operations.
- Explain the role of regulatory frameworks and policies in governing transport systems.
- Apply basic principles of transport system operations to real-world scenarios.
- Demonstrate an understanding of the interdependencies between different transport system components.
- Analyze the impact of transport system components on efficiency and safety.
- Describe the basic functions of transport modes such as road, rail, air, and water.

WHO SHOULD ATTEND

- This course is ideal for entry-level employees, logistics assistants, transport clerks, and individuals seeking to enter the transport and logistics sector.
- It is also suitable for professionals in related fields who require a basic understanding of transport system components.

COURSE OUTLINE

Day 1: Introduction to Transport Systems and Their Components

- Overview of transport systems (road, rail, air, maritime)
- Key components: infrastructure, vehicles, operators, users
- Functions of transport in supply chains
- Introduction to relevant legislation (NRTA, SANRAL, etc.)
- Basic terminology and concepts

Day 2: Transport Infrastructure – Roads, Rails, and Terminals

- Road infrastructure: pavement types, signage, traffic control
- Rail infrastructure: tracks, signals, stations
- Terminals: ports, airports, intermodal hubs
- Infrastructure lifecycle and maintenance practices
- Safety standards and inspections

Day 3: Vehicles and Transport Equipment

- Road vehicles: cars, trucks, buses, trailers
- Rail vehicles: locomotives, wagons, coaches
- Loading equipment: forklifts, cranes, conveyors
- Vehicle maintenance and pre-trip inspections
- Legal requirements: roadworthiness, load limits

Day 4: Transport Operations and Logistics

- Route planning and scheduling
- Load planning and consolidation
- Transport documentation: waybills, permits, manifests
- Communication systems: radio, GPS, telematics
- Fuel management and cost control

Day 5: Safety, Security, and Environmental Considerations

- Risk assessment and hazard identification
- Personal protective equipment (PPE) and safe practices
- Cargo security: seals, locks, tracking
- Environmental issues: emissions, noise, waste
- Incident reporting and emergency response

Day 6: Regulatory Compliance and Quality Assurance

- National Road Traffic Act and related regulations
- Transport permits and licensing
- Quality standards: ISO, SANS
- Record-keeping: logs, maintenance records
- Internal and external audits

Day 7: Integration, Case Studies, and Assessment

- Case studies: road, rail, and intermodal transport
- Group exercises: planning a transport operation
- Integration of components: infrastructure, vehicles, operations
- Review of key concepts

- Final assessment preparation

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 29,600.00	R 29,600.00
1	In-House	R 38,500.00	R 38,500.00
1	On-Campus (Pretoria)	R 44,400.00	R 44,400.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	12 Aug 2026	On-Campus	Johannesburg, South Africa
05 Aug 2026	13 Aug 2026	On-Campus	Mauritius
06 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
07 Aug 2026	17 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	18 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	19 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	19 Aug 2026	On-Campus	Mauritius
12 Aug 2026	20 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 244242) 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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