



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

Global Logistics Information Systems Evaluation

Services / Transport, Operations and Logistics

Unit Standard 252303 · NQF Level 5 · 10 Credits · 7 Days

COURSE OVERVIEW

This course equips learners with the skills to evaluate information systems used in global logistics. Participants will learn to assess system functionality, data integrity, and alignment with international supply chain requirements. The course enables informed decision-making regarding the selection and optimisation of logistics information systems.

Category	Services
Subfield	Transport, Operations and Logistics
Unit Standard	252303
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

- Evaluate the functionality and performance of information systems supporting global logistics operations.
- Analyze data integrity, security, and compliance aspects of logistics information systems.
- Assess the alignment of information systems with international trade regulations and standards.
- Apply criteria to compare and select appropriate logistics information systems for global operations.
- Demonstrate the ability to recommend improvements to existing logistics information systems.
- Design a framework for ongoing evaluation of logistics information system effectiveness.

WHO SHOULD ATTEND

- Logistics managers, supply chain analysts, and IT professionals involved in the implementation or evaluation of logistics information systems within global supply chains.

COURSE OUTLINE

Day 1: Introduction to Global Logistics Information Systems

- Overview of global logistics and supply chain management
- Definition and scope of logistics information systems
- Key components: hardware, software, data, networks, people
- Functions: order processing, inventory management, transportation, warehousing
- Strategic importance: competitive advantage, cost reduction, customer service
- Trends: IoT, AI, blockchain, cloud computing

Day 2: System Architecture and Data Management

- System architecture: client-server, cloud-based, hybrid
- Data management: data sources, data capture methods (barcode, RFID, GPS)
- Database management: relational databases, SQL, NoSQL
- Data warehousing and business intelligence
- Data quality: accuracy, completeness, timeliness
- Data security: encryption, access controls, compliance
- EDI and API integrations for data exchange

Day 3: Transportation Management Systems (TMS)

- Overview of TMS: functions and benefits
- TMS modules: load planning, routing, scheduling, tracking
- Route optimization algorithms: shortest path, vehicle routing problem
- Carrier selection and rate management
- Freight audit and payment
- Integration with WMS, ERP, and global trade systems
- Case studies of TMS implementation

Day 4: Warehouse Management Systems (WMS) and Inventory Control

- WMS overview: receiving, putaway, picking, packing, shipping
- Inventory control methods: FIFO, LIFO, batch tracking
- ABC analysis and cycle counting
- Warehouse automation: conveyors, AS/RS, AGVs, robotics
- RFID and barcode technology for tracking
- WMS integration with TMS and ERP
- Performance metrics: accuracy, throughput, labor productivity

Day 5: Global Trade and Compliance Systems

- Global trade management systems: functions and benefits
- Customs automation: electronic data interchange (EDI) with customs
- Trade compliance: restricted party screening, license management
- Documentation: commercial invoice, packing list, bill of lading
- Tariff classification and duty calculation
- Free trade agreements and preferential duty programs
- Risk management and audit trails

Day 6: Performance Measurement and Analytics in Logistics

- Logistics KPIs: on-time delivery, order accuracy, inventory turnover

- Data analytics: descriptive (dashboards), predictive (demand forecasting), prescriptive (optimization)
- Dashboard design and reporting tools (Tableau, Power BI)
- Benchmarking: internal, competitive, best-in-class
- Continuous improvement: Lean logistics, Six Sigma, DMAIC
- Case studies on performance improvement

Day 7: Integration, Emerging Technologies, and Strategic Decision Making

- System integration: ERP, TMS, WMS, global trade systems
- Integration challenges: data silos, legacy systems, standardization
- Emerging technologies: IoT for real-time tracking, AI for demand forecasting, blockchain for transparency
- Autonomous vehicles and drones in logistics
- Strategic framework: needs assessment, vendor selection, implementation
- Cost-benefit analysis: ROI, TCO
- Roadmap development: phased approach, change management

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
06 Aug 2026	14 Aug 2026	On-Campus	Mauritius
07 Aug 2026	17 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	18 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	19 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	20 Aug 2026	On-Campus	Durban, South Africa
12 Aug 2026	20 Aug 2026	On-Campus	Mauritius
13 Aug 2026	21 Aug 2026	On-Campus	Cape Town, South Africa
14 Aug 2026	24 Aug 2026	On-Campus	Dubai, UAE

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 252303) 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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