

BQA NCQF QUALIFICATION TEMPLATE

SECTION A: QUALIFICATION DETAILS															
QUALIFICATION DEVELOPER (S)			BA ISAGO University												
TITLE		Bachelor of Commerce in Transport Management and Logistics							NCQF LEVEL		7				
STRANDS (where applicable)		Not Applicable.													
FIELD		Services							CREDIT VALUE		480				
SUB FIELD		Transport Services													
New Qualification				Legacy Qualification					Renewal Qualification			✓			
									Registration Code			Q0139			
SUB-FRAMEWORK		General Education					TVET					Higher Education			✓
QUALIFICATION TYPE		Certificate		I	II	III	IV	V	Diploma		Bachelor		✓		
		Bachelor Honours			Post Graduate Certificate			Post Graduate Diploma							
		Masters						Doctorate/ PhD							
RATIONALE AND PURPOSE OF THE QUALIFICATION															

RATIONALE:

Botswana's strategic vision to establish itself as a regional transport and logistics hub is reflected in substantial investments and policy initiatives focused on infrastructure modernization. According to Business Botswana's report on Botswana's 2025/2026 Budget: Key Initiatives for Business and SMEs. *In the 2025/2026 fiscal year, the government allocated P4.31 billion to the Ministry of Transport & Infrastructure, prioritizing the enhancement of transportation networks to facilitate more efficient movement of goods and services.* Additionally, \$11.5 million has been designated for railway projects, reinforcing efforts to improve rail transport efficiency (Logistafrica.com). However, despite these advancements, the sector continues to face critical challenges, including infrastructure deficits, high transportation costs, and a shortage of skilled professionals essential for driving innovation and operational efficiency (Botswanabusines.com). Compared to other countries in the SADC region, Botswana's transport and logistics industry remains underdeveloped, with the nation heavily reliant on South African-based transit transport and logistics companies (Mmegi.bw).

These gaps underscore the urgent need for a highly skilled workforce in transport management and logistics to enhance local capacity, reduce dependency on external service providers, and drive sustainable industry growth. The need for trained practitioners in transport management and logistics is also asserted by the Human Resources Development Council - Priority Skills List Report (2023/2024), where transport and logistics has been identified as a top occupation in high demand based on the sub-sector growth and potential for creation of employment. This qualification is intended to provide prospective learners with the required skills and competencies needed in the transport and logistics industry by increasing the number of Transport Officers and Transport Operations Managers who have relevant requisite skills essential for efficient transportation, supply chain management, and logistics operations which can cater for the growing transport industry sector. If the gap is not filled there will be continued reliance on South African transit and logistics companies which would limit Botswana's ability to develop its own competitive industry and a significant portion of revenue from transport and logistics services would flow out of the country, reducing domestic economic benefits.

Furthermore, BA ISAGO University has consistently maintained strong enrolment numbers in the Bachelor of Transport Management and Logistics over the past several years. A 13% growth from the academic year 2023/2024 to 2024/2025 was achieved. These numbers reflect a growing demand and recognition of the qualification's relevance in meeting educational needs that are aligned with evolving industry trends hence the need to renew the qualification.

PURPOSE: (itemise exit level outcomes)

The purpose of this qualification is to produce graduates with specialized skills, knowledge and competencies to:

- i. Apply advanced transport and logistics management strategies to optimize supply chain efficiency, ensuring seamless, cost-effective, and sustainable movement of goods and services in both local and global markets.
- ii. Evaluate transport policies, regulatory frameworks, and global trade dynamics to enhance compliance, inform strategic decision-making, and drive competitiveness in logistics operations.
- iii. Demonstrate adaptability and innovation in response to evolving industry trends, technological advancements, and risk factors, contributing to the resilience and sustainable growth of the transport and logistics sector.

MINIMUM ENTRY REQUIREMENTS (including access and inclusion)

- i. Applicants must have a minimum of Certificate IV, NCQF Level 4 (TVET/GE) or equivalent
OR
- ii. Candidates who do not meet the minimum academic qualifications stated above will be considered through the Recognition of Prior Learning (RPL) process which shall be administered according to the National RPL Policy. There will also be provision for Credit Accumulation Transfer to the learner in case they transfer in from another institution as per National Policy on CAT.

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SECTION B QUALIFICATION SPECIFICATION	
GRADUATE PROFILE (LEARNING OUTCOMES)	ASSESSMENT CRITERIA
1. Analyze transport and logistics systems to enhance operational efficiency and financial sustainability in global supply chain operations.	1.1 Identify key performance indicators (KPIs) in transport networks, including cost-effectiveness, profitability, and financial performance. 1.2 Assess inefficiencies in logistics processes and determine their financial impact on supply chain performance, including transportation, warehousing, and inventory management costs. 1.3 Compare different transport modes based on cost-benefit analysis, financial feasibility, and trade-offs between cost and service level in logistics decision-making. 1.4 Examine potential strategies for optimizing logistics operations, including the role of logistics in achieving economies of scale and reducing costs per unit. 1.5 Apply cost control measures, budgeting techniques, and risk mitigation strategies to enhance financial sustainability in supply chain management. 1.6 Investigate the financial impact of outsourcing logistics operations by validating assumptions and analyzing case studies.
2. Evaluate digital logistics technologies to optimize transport, warehousing, and distribution networks.	2.1 Assess transportation management systems (TMS) for route optimization and their impact on cost and efficiency in distribution networks. 2.2 Analyze digital technologies for optimizing warehousing and distribution networks,

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	including Warehouse Management Systems (WMS), real-time tracking, and AI-driven inventory control. 2.3 Examine distribution channels within supply chain operations and categorize distribution intermediaries based on digital logistics capabilities. 2.4 Investigate the integration of multimodal transport solutions with digital platforms to improve efficiency and sustainability. 2.5 Measure the risks and costs associated with various warehousing and transportation methods, considering digital logistics tools for mitigation. 2.6 Develop data-driven strategies for optimizing distribution routes and warehouse operations using automation, IoT, and predictive analytics 2.7 Compare the trade-offs between centralized and decentralized warehousing systems and transportation networks in digital supply chains.
3. Utilize leadership-driven communication strategies to manage supply chain and logistics disruptions.	3.1 Identify key leadership communication practices that enhance collaboration among procurement, warehousing, and transportation teams for seamless supply chain operations. 3.2 Apply leadership-driven communication approaches in case studies where effective messaging and coordination resolved supply chain disruptions. 3.3 Explore how strong leadership fosters a culture of proactive collaboration, transparency, and responsiveness in managing supply chain risks.

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	3.4 Compare different forecasting methods and explain how leadership in decision-making enhances effective supply chain communication. 3.5 Implement a structured, leadership-centered communication framework that promotes strategic coordination, real-time information sharing, and operational agility. 3.6 Select leadership approaches in contract management that enhance communication, negotiation, and stakeholder engagement for optimal supply chain performance.
4. Formulate risk management strategies to ensure safety and regulatory compliance in transport operations.	4.1 Develop comprehensive risk assessment frameworks to identify and mitigate potential disruptions in transport and logistics operations. 4.2 Interpret and apply transport policies and regulatory requirements to ensure alignment with national and international compliance standards, such as Botswana's Road Traffic Act, the SADC Protocol on Transport, Communication, and Meteorology, and global conventions like the IMO (International Maritime Organization) and ICAO (International Civil Aviation Organization) regulations. 4.3 Assess the impact of environmental and sustainability regulations on transport operations, including emissions control, fuel efficiency policies, and carbon footprint reduction initiatives. 4.4 Design a monitoring and reporting system to track compliance with occupational health and

	safety (OHS) standards, ensuring continuous improvement in transport safety performance. 4.5 Analyze case studies of transport incidents and regulatory failures to derive lessons learned and best practices for future risk mitigation. 4.6 Integrate digital risk management solutions such as GPS tracking, fleet telematics, and AI-based predictive analytics to enhance safety, compliance, and operational efficiency. 4.7 Recommend proactive safety measures and contingency plans to minimize hazards in freight and passenger transport, considering factors such as vehicle maintenance, driver training, and emergency response protocols.
5. Design sustainable transport strategies to minimize environmental impact in logistics operations.	5.1 Develop eco-friendly transport policies that align with global sustainability standards, such as the Paris Agreement, UN Sustainable Development Goals (SDG 13 – Climate Action), and ISO 14001 (Environmental Management Systems) to provide a regulatory foundation. 5.2 Evaluate regulatory frameworks and industry best practices in sustainable transport, ensuring compliance with emissions regulations such as EU Green Deal policies and Botswana's Environmental Impact Assessment Act before implementation. 5.3 Assess the feasibility of renewable energy adoption in transport operations, including solar-powered logistics hubs, electrified rail networks, and wind-powered shipping, to determine viable green energy solutions

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	5.4 Propose carbon reduction initiatives for freight and passenger transport, such as alternative fuels (biodiesel, electric, hydrogen-powered vehicles), route optimization, and fuel-efficient driving techniques to actively reduce emissions. 5.5 Integrate green logistics practices into supply chain management, incorporating reverse logistics, recyclable packaging, energy-efficient warehousing, and multimodal transport solutions to enhance sustainability.
6. Evaluate the integration of inventory management and warehouse management systems to improve overall supply chain efficiency.	6.1 Manage inventory and warehouse integration in supply chain efficiency, focusing on reducing costs, improving service levels, and enhancing the overall flow of goods through the supply chain. 6.2 Manage inventory and warehouse integration by focusing on reducing costs, improving service levels, and enhancing the overall flow of goods through the supply chain to increase operational efficiency. 6.3 Utilize Inventory Management Systems (IMS) to enable real-time tracking, demand forecasting, stock accuracy, and replenishment automation, ensuring optimal inventory levels and minimizing stockouts or overstocking. 6.4 Examine Warehouse Management Systems (WMS) to optimize storage space, improve layout efficiency, streamline picking and packing processes, and enhance order fulfilment accuracy, leading to faster and more cost-effective logistics operations.

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	6.5 Assess how technology-driven inventory control systems, such as RFID, barcode scanning, and AI-based analytics, improve warehouse operations by providing real-time data insights for better decision-making, warehouse organization, and efficient inventory placement.
7. Conduct applied research and generate innovative ideas to solve complex contemporary issues affecting the transport & logistics industry.	7.1 Critically assess the local, regional and global challenges facing the transport and logistics industry. 7.2 Apply advanced data collection methods to gather information on key trends and developments in the transport and logistics industry. 7.3 Critically analyze quantitative and qualitative data to determine complex and unpredictable challenges within the transport and logistics industry. 7.4 Generate solutions that promote ethical and sustainable transport and logistics practices.

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SECTION C		QUALIFICATION STRUCTURE				
COMPONENT	TITLE	Credits Per Relevant NCQF Level				Total Credits
		Level [5]	Level [6]	Level [7]	Level [8]	
FUNDAMENTAL COMPONENT Subjects/ Courses/ Modules/Units	Principles of Business Management	10				10
	Computing & Information Skills	10				10
	Business Communication	10				10
	Introduction to Logistics		10			10
	Principles of Supply Chain Management		10			10
	Business Statistics			12		12
	Logistics Customer Service Strategies		12			12
	Production Operations Management			12		12
	Accounting Concepts, Principles and Procedures		12			12

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	Warehousing and Inventory Management Systems		12			12
CORE COMPONENT Subjects/Courses/ Modules/Units	Transport Management System		12			12
	Commercial law		12			12
	Sustainable Transport & Logistics management			12		12
	Principles of Procurement Management		10			10
	Logistics and Distribution Management			12		12
	Supplier Relationship Management			12		12
	Project Management in Logistics			12		12
	Transport Costing and Pricing Management				12	12
	Research Project			24		24
	Strategic transport management and logistics			12		12
	Import/Export Documentation and Customs Clearance			12		12

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	Shipping, Forwarding and Transportation Broking			12		12
	Global Supply Chain Management		12			12
	Basic Logistics Quantitative Management Tools				12	12
	Industrial Attachment			60		60
	Decision-Making Strategies in Transport and Logistics				12	12
	E-Commerce in Supply Chain Management			12		12
	Research Methods			12		12
	Transport Economics		12			12
	Transport and Supply Chain Risk Management			12		12
	Transport Policies and Analysis				12	12
	Transport Planning and Investment				12	12
	Intelligent Transport &			12		12

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	Logistics Management					
	Entrepreneurship			12		12
	Introduction to Occupational Health Safety in Transport and Logistics Management		12			12
STRANDS/ SPECIALIZATION	Subjects/ Courses/ Modules/Units	Credits Per Relevant NCQF Level				Total Credits
		Level [5]	Level [6]	Level [7]	Level [8]	
1.						
2.						
Electives	Introduction to Retail Management			12		12
	Corporate Governance & Business Ethics			12		12
	Integrated transport and logistics			12		12

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SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL

TOTAL CREDITS PER NCQF LEVEL

NCQF Level	Credit Value
5	30
6	126
7	264
8	60
TOTAL CREDITS	480

Rules of Combination:

(Please Indicate combinations for the different constituent components of the qualification)

The credit combination for this qualification is made up of 110 credits from fundamental components 358 credits from core components and 12 credits from electives where students will choose only one module so that the rules of combination are clear. Students are to choose only one elective.

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ASSESSMENT ARRANGEMENTS

All assessments which are leading to the award of the qualification should be based on learning outcomes and associated assessment criteria. The assessments will be as follows:

i. Formative Assessment

The weighting of formative assessment is 60% of the final assessment mark.

ii. Summative Assessment

The weighting of summative assessment is 40 % of the final assessment mark

MODERATION ARRANGEMENTS

There will be provision for internal and external moderation.

RECOGNITION OF PRIOR LEARNING

Recognition of Prior Learning (RPL) will be applicable for consideration for award in this qualification.

CREDIT ACCUMULATION AND TRANSFER

Credit Accumulation Transfer (CAT) will be applicable for consideration for award in this qualification.

PROGRESSION PATHWAYS (LEARNING AND EMPLOYMENT)

Learning Pathways

Horizontal Articulation:

- Bachelor of Commerce Transport management
- Bachelor of Commerce Fleet Management & Logistics
- Bachelor of Commerce in Purchasing and Supply
- Bachelor of Commerce in Transport Management and Logistics
- Bachelor of Commerce in Supply Chain Management
- Bachelor of Commerce in Business Management
- Bachelor of Commerce in Entrepreneurship
- Bachelor of Commerce in Strategic Management

Vertical Articulation

- Bachelor of Commerce Honours Supply Chain Management
- Bachelor of Commerce Honours in Business Management
- Master of Commerce in Transport Management and Logistics
- Master of Commerce in Global Transport Management
- Master of Commerce in Retail Operations Management
- Master of Commerce in Purchasing and Supply Chain
- Master of Commerce in Transport Management and Logistics
- Master of Commerce in Supply Chain Management
- Master of Commerce in Business Management
- Master of Commerce in Strategic Management

Employment Pathways

- Logistics Chain Managers
- Materials Managers
- Import/Export Managers
- Warehouse and Stock managers
- Supply Chain Managers
- Distribution Managers
- Transport Managers
- Logistics Consultants
- Logistics Analysts
- Transport Policy Analysts
- Logistics Systems Analysts
- Urban Transport network planners
- Regional Transport Planners
- Safety Officers
- Multi-Modal Coordinators
- Alliance Managers
- Quality Control Managers

QUALIFICATION AWARD AND CERTIFICATION

Candidates meeting the prescribed requirements will be awarded the qualification in accordance with the qualification composition rules and applicable policies. To be eligible for the award of the Bachelor of Commerce in Transport Management and Logistics, candidates should have passed all course work assignments and the final examination and obtained a minimum of 480 credits. A certificate will be issued to learners who are awarded the qualification.

SUMMARY OF REGIONAL AND INTERNATIONAL COMPARABILITY

This qualification compares with the following:

- Bachelor of Commerce in Transport and Logistics - University of South Africa, South Africa
- Bachelor of Commerce in Transport and Logistics Management - University of Johannesburg, South Africa
- Bachelor of Commerce in Logistics and Supply Chain Management - Curtin university, Mauritius

The benchmarking exercise revealed that the proposed (Bachelor of Commerce in Transport Management & Logistics) compares favourably against other regional and international qualifications benchmarked with. The titles vary to denote the qualification streams, which are Transport, Logistics and supply chain management. The title of the proposed qualification compares closely to the qualifications offered by University of South Africa and University of Johannesburg as they both have majors in Transport and Logistics, differing from the qualification offered by Curtin University as it has a major in Supply Chain Management. The Designator of the proposed qualification and the qualifications compared to are all a Bachelor of Commerce, making them similar. Although there are slight differences in titles, the qualifications have a common goal in terms of capacitating learners with the skills to assess and apply logistics management concepts and principles and identify, and propose solutions to, problems relating to the logistics management strategies and policies and to also work in a team with various role players, with respect to logistics profession, as well as considering people on the grassroots level related to logistics business. Similarly, all the qualifications are bachelor's degree pitched at level 7 following the qualification frameworks adopted by each country (NCQF and NQF).

There are also similarities in terms of the domains in the proposed qualification and the ones benchmarked with. These include Business Management, Transport Economics, Commercial Law, Statistics and Logistics Management. The assessment strategies for all qualifications include both

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formative and summative to assess the achievement of the stated learning outcomes. The rule for award of qualification in all the qualifications is for learners to complete all compulsory modules and attain the minimum required credits.

There are noticeable differences in terms of credits and duration because of difference in frameworks adopted by each country. In terms of duration, all the qualifications compared to the proposed offer their qualifications for a period of 3 years whereas the proposed qualification offers theirs for 4 years only. In terms of credits, the proposed qualification carries 480 credits, the qualifications for University of South Africa and University of Johannesburg carry 360 and Curtin University 600 credits. Based on the different frameworks the notional learning hours for Botswana, South Africa and Mauritius dictates that 1 credit is equals to 10 notional learning hours. Therefore, hours of study required for attaining 480 credits for the proposed qualification are 4800, for the qualifications of UNISA and UJ are 3600 notional learning hours and for the Curtin University qualification 6000 notional hours.

In terms of articulation, all the qualifications have similar routes for educational progression and employment pathways. The common education progression pathway for all the qualifications together with the proposed is the Master of Commerce in Supply Chain Management The qualifications have similar employment pathways and the ones that cut across in all qualifications are Logistics Chain Manager and Supply Chain Manager.

REVIEW PERIOD

This qualification will be reviewed after 5 years upon registration.

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For Official Use Only:

CODE (ID)			
REGISTRATION STATUS	BQA DECISION NO.	REGISTRATION START DATE	REGISTRATION END DATE

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LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT	



BOTSWANA
Qualifications Authority