
	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.QIDD.GD02
		Issue No.	05
		Effective Date	26/07/2021

SECTION A: QUALIFICATION DETAILS														
<b>QUALIFICATION DEVELOPER (S)</b>				Department of Teacher Training and Technical Education										
<b>TITLE</b>		Diploma in Clothing Production										<b>NCQF LEVEL</b>		6
<b>FIELD</b>		Manufacturing, Engineering and Technology			<b>SUB-FIELD</b>		Clothing Manufacturing			<b>CREDIT VALUE</b>		360		
New Qualification					√		Review of Existing Qualification							
<b>SUB-FRAMEWORK</b>		General Education					TVET			√		Higher Education		
<b>QUALIFICATION TYPE</b>		Certificate	I	II	III	I	V		Diploma	√	Bachelor or			
		Bachelor Honours		Post Graduate Certificate					Post Graduate Diploma					
		Masters					Doctorate/ PhD							
<b>RATIONALE AND PURPOSE OF THE QUALIFICATION</b>														
<b>RATIONALE:</b> <p>The Sub field of Clothing Production/ Garment and related patternmakers and cutters has been identified as one of the occupations in high demand. (HRDC Occupation Code No. 7532). This is based on the Labour Market Analysis conducted by the HRDC.</p> <p>Furthermore, according to Botswana Government's NDP11, page 71, the country has invested significantly in education and skill development as a way of changing the human development landscape and the Clothing Design and Textiles skills are part of competency abilities that the industrial needs which are critical to improve the performance of the Economy.</p> <p>This qualification has been developed in line with Botswana Government's Economic Diversification Drive which acknowledges and identifies the Clothing and Textile manufacturing sector as one of the key sectors that contributor to economic growth and employment creation (EDD strategy, 2011-2016.). Moreover, the manufacturing sector is poised to modestly benefit from the African Growth and Opportunity Act (AGOA), which</p>														

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was extended in 2015 by the Government of the United States of America. (NDP11 page 74 table 5.1 under manufacturing).

Additionally Botswana Government 's vision 2036 further emphasizes implementation of curriculum which is aligned to the needs of the economy (page 20), the clothing subsector under Technical Vocational and Education Training (TVET) curriculum its amongst the Vocational Skills that have been emphasized to provide lifelong learning.

### **PURPOSE:**

The purpose of this qualification is to produce graduates with advanced knowledge, skills, and competences to:


- Apply skills in Industrial clothing processes and conduct in house training of clothing production.
- Demonstrate knowledge of Fabric department processes and produce tech packs to come up with a garment.
- Spread and cut fabric according to processes and apply quality control procedures of garment production.
- Apply skills of Machine maintenance and sewing Production flow of garments.

### **ENTRY REQUIREMENTS (including access and inclusion)**


Minimum entry requirements:

- Certificate IV, NCQF level 4 (General Education or TVET) or equivalent.
- There will be use of alternative forms of entry such as recognition of Prior Learning (RPL) and Credit Accumulation and Transfer (CAT) is accepted, using ETP policies, in line with the national policies.


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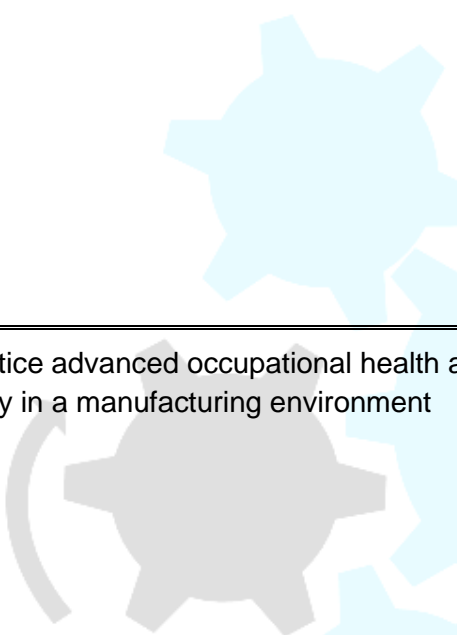
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<b>SECTION B</b>		<b>QUALIFICATION SPECIFICATION</b>	
<b>GRADUATE PROFILE (LEARNING OUTCOMES)</b>		<b>ASSESSMENT CRITERIA</b>	
LO 1. Demonstrate advanced knowledge of Industrial Clothing Processes and Concepts.		1.1 Create the entire Clothing production process and concepts in a clothing factory. 1.2 Present to colleagues on sections found in a clothing company. 1.3 Illustrate appropriate administrative components to factory workers in the Clothing Production departments. 1.4 Establish the structures found in a clothing production factory.	
LO 2. Apply advanced skills relating to the inspection and procurement of raw materials in a clothing production environment.		2.1 Illustrate the functions of the fabric store in a clothing factory. 2.2 Use audit Procedures in a clothing production environment. 2.3 Use trims and other sewing accessories in a clothing production company. 2.4 Translate customers' orders to factory workers in a clothing production line. 2.5 Cut patterns and sew garments in a clothing factory.	
LO 3. Determine a tech pack production process for different types and styles of garments, in an environment that produces various clothes.		3.1 Produce a Tech pack of shirt, skirt, dress, trousers, and Jacket, to a given specification, for a client, in a clothing factory. 3.2 Construct a pattern for prototype sample, for a client, to given specification. 3.3 Produce the prototype sample for a client, to given specification. 3.4 Present prototype sample for quality check and approval to a supervisor, in a clothing factory.	


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<p>LO 4. Apply advanced skills relating to the stages involved in the sewing production environment.</p>	<p>4.1 Illustrate to sewing machine operators, the Assembling steps involved when making garments in a clothing factory.</p> <p>4.2 Construct a garment stage by stage, in the sewing room, according to a brief from clients.</p> <p>4.3 Inspect finished garments made in a clothing line, according to given specification.</p> <p>4.4 Produce a portfolio.</p> <p>4.5 Present a complete story board, according to given specification.</p>
<p>LO 5. Demonstrate advanced skills of Spreading and Cutting and the use of ICT processes in an Apparel manufacturing environment.</p>	<p>5.1 Illustrate to factory cutters, the planning stages in a clothing factory.</p> <p>5.2 Show factory workers, the stages involved when spreading fabrics.</p> <p>5.3 Determine with other factory workers, cutting procedures used in the cutting room.</p> <p>5.4 Carry-out the preparation of pieces of fabrics in the sewing room.</p> <p>5.5. Carry-Out Administrative activities using basic computer skills in a clothing factory.</p>
<p>LO6. Show advanced skills relating to the servicing and maintenance of machinery in the clothing factory.</p>	<p>6.1 Exhibit the functions of a maintenance schedule in a clothing factory.</p> <p>6.2 Carry out machine maintenance in a clothing manufacturing environment.</p> <p>6.3 Coordinate production plan for the machinist in a clothing factory</p>
<p>LO 7. Conduct in-house training and gathering of information relating to clothing manufacturing.</p>	<p>7.1 Orientate class for new factory workers.</p> <p>7.2 Organise a workplace training session for factory workers, in a garment producing company.</p>

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	<p>7.3 Supervise workers' skills in a clothing industry.</p> <p>7.4 Determine the importance of quality control in a garment factory.</p> <p>7.5 Plan with team when preparing to make garments, in a clothing manufacturing environment.</p> <p>7.6 Use basic computer skills, applicable in a clothing factory.</p>
	<p>LO 8. Practice advanced occupational health and safety in a manufacturing environment</p> <p>8.1 Adhere to safety rules and regulations in a clothing factory.</p> <p>8.2 Apply first Aid in a clothing manufacturing company.</p> <p>8.3 Carry -out fire drills, in a clothing factory.</p> <p>8.4 Manage waste disposal in a garment producing company.</p>

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 <b>BOTSWANA</b> Qualifications Authority	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.QIDD.GD02
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<b>SECTION C</b>	<b>QUALIFICATION STRUCTURE</b>				
<b>FUNDAMENTAL COMPONENT</b>  Subjects/ Courses/ Modules/Units	<b>TITLE</b>	<b>Credits Per Relevant NCQF Level</b>			<b>Total</b>  <b>(Per Subject/ Course/ Module/ Units)</b>
		<b>Level [ ]</b>	<b>Level [5 ]</b>	<b>Level [6 ]</b>	
	Entrepreneurship 2		8		8
	ICT		8		8
	Supervisory Skills		8		8
	Occupational Health and Safety		8		8
<b>CORE COMPONENT</b>  Subjects/Courses/ Modules/Units	Spreading and Cutting Processes		8		8
	Industrial Clothing Processes		20		20
	Raw Material Procurement and Inspection			20	20
	Tech Pack Production for different types and styles of garments			125	125
	Sewing Production Flow			20	20
	In-house Training			20	20
	Machine Maintenance			25	25
	Work Placement			60	60

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	Integrated Project			<b>30</b>	<b>30</b>
<b>ELECTIVE/ OPTIONAL COMPONENT</b>  <i>Subjects/Courses/ Modules/Units</i>					

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<b>SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL</b>	
<b>TOTAL CREDITS PER NCQF LEVEL</b>	
<b>NCQF Level</b>	<b>Credit Value</b>
<b>5</b>	<b>60</b>
<b>6</b>	<b>300</b>
<b>TOTAL CREDITS</b>	<b>360</b>

**Rules of Combination:**  
*(Please Indicate combinations for the different constituent components of the qualification)*

Fundamental: **32 credits** (maximum)

Core: **328 credits**

**Total for qualification with exit level at NQF level 6 is 360 credits**

**Total credits at NQF levels is 360**


- The Fundamental and core Components at levels 5 consist of modules to the value of **60credits**
- The Core and Fundamental Components at level 6 consists of modules to the value of **300 credits**

Candidates meeting the prescribed requirements will be awarded **Diploma Clothing Production** in accordance with the qualification composition rules and applicable policies. Candidates who do not meet the prescribed minimum standards may, where applicable, be considered for appropriate exit awards in accordance with applicable policies.

Where Candidates have enrolled for modules / units the awarding body shall award a Record and Education Training (RET) / Transcript in accordance with applicable policies

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## **ASSESSMENT AND MODERATION ARRANGEMENTS**

### **Assessment Arrangements**

All assessments which are leading to the award of the qualification should be based on learning outcomes and associated assessment criteria. The assessment comprises of formative and summative assessment.

Formative assessment contributes 60% while summative contributes 40%.

### **Moderation Arrangements**

There shall be internal and external moderation carried out by BQA registered and accredited assessors and moderators, in line with relevant ETP and national policies.

## **RECOGNITION OF PRIOR LEARNING**

There will be award of the qualification through the usage of RPL, by means of the RPL policy in line with national RPL policy.

## **CREDIT ACCUMULATION AND TRANSFER**

The qualifications will be awarded through the use of CAT, by means of ETP CAT policy in line with national CAT policy.

## **PROGRESSION PATHWAYS (LEARNING AND EMPLOYMENT)**


### **LEARNING PATHWAYS**

**Horizontal Articulation** (related qualifications of similar level that graduates may consider)

- Diploma in Textile Design
- Diploma in Apparel design & manufacture
- Diploma in Fashion Design

**Vertical Articulation** (qualifications to which the holder may progress to)

- Degree in Garment manufacture
- Degree in Leather Goods Design
- Degree in Footwear Design and Production

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## **EMPLOYMENT PATHWAYS**

On successful completion of this qualification the holder may be absorbed in the job market as:

- Production Line Supervisor
- Fabric Chaser for Garments
- Stock Manager
- Apparel Junior Buyer
- Garment Quality control Inspector

## **QUALIFICATION AWARD AND CERTIFICATION**

### **QUALIFICATION AWARD:**

For a Candidate to achieve this qualification they must have acquired a minimum of **360 credits**.

### **CERTIFICATION:**

Candidates meeting the prescribed requirements will be awarded **Diploma in Clothing Production** and official transcripts.

## **REGIONAL AND INTERNATIONAL COMPARABILITY**

This qualification has been benchmarked against similar Regional and International Qualifications.

The Sub field of Clothing Production/ Garment and related patternmakers and cutters has been identified as one of the occupations in high demand. (HRDC Occupation Code No. 7532). This is based on the Labour Market Analysis conducted by the HRDC.

Furthermore, according to Botswana Government's NDP11, page 71, the country has invested significantly in education and skill development as a way of changing the human development landscape and the Clothing Design and Textiles skills are part of competency abilities that the industrial needs which are critical to improve the performance of the Economy.

### **Similarities and differences**

The Nottingham Trent University, offers a similar module, namely garment production (60 credits).

The Glasgow Caledonian University offers garment construction techniques module similar to sewing production flow.

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The 3 years Durban university of Technology Diploma modules are also similar to this qualification.

Work placement is like internship apparel Design offered at University of Alberta.

Sample room techniques offered at Marymount University is like Tech pack production.

Apparel Design and Communication offered at Mary University, speaks to ICT, Entrepreneurship modules.

In summary the above similarities confirm that the modules meet international standards, although some programmes are offered at a degree level, or at 3<sup>rd</sup> year, and/or using different names.

### **REVIEW PERIOD**

The qualification will be reviewed every five (5) years.