
	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.QIDD.GD02
		Issue No.	06
		Effective Date	07/10/2020

SECTION A: QUALIFICATION DETAILS													
<b>QUALIFICATION DEVELOPER (S)</b>				Department of Teacher Training and Technical Education									
<b>TITLE</b>		Diploma in Textile Design								<b>NCQF LEVEL</b>		6	
<b>FIELD</b>		Manufacturing, Engineering and Technology			<b>SUB-FIELD</b>		Textile Design			<b>CREDIT VALUE</b>		360	
New Qualification					<input checked="" type="checkbox"/>		Review of Existing Qualification						
<b>SUB-FRAMEWORK</b>		General Education			<input type="checkbox"/>		TVET			<input checked="" type="checkbox"/>		Higher Education	
<b>QUALIFICATION TYPE</b>		Certificate	I	II	III	I V	V	Diploma	<input checked="" type="checkbox"/>	Bachel or			
		Bachelor Honours		Post Graduate Certificate				Post Graduate Diploma					
		Masters				Doctorate/ PhD							
<b>RATIONALE AND PURPOSE OF THE QUALIFICATION</b>													
<p><b>RATIONALE:</b></p> <p>Globally, of late, Outcome based education, manufacturing and entrepreneurship have been placed at the Centre of economic growth, hence Botswana, like other developing countries in the Southern Africa region has developed its own Economic Diversification Drive (EDD) policy to branch out of a mineral resource-based economy into a human resource-based economy. The policy also aims to develop an entrepreneurship culture amongst Botswana's local population, especially graduates such as those in the Textile manufacturing area. Additionally, Botswana would like to adopt new traits and skills of globally competitive and successful graduates that meets Industry needs. It is therefore against this background that over the past few years, the Ministry of Tertiary Education, Research Science and Technology, introduced a number of outcome-based Diploma Qualifications at its Institutions of higher learning.</p>													

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One of these Diploma Qualifications include Diploma in Textile Design; hence the qualification was developed. In addition, according to HRDC Occupation Code No. 2522, Textile Design is one of the occupations that can significantly lead to job creation in Botswana and help reduce unemployment.

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

This qualification has been developed in line with Botswana Government's Economic Diversification Drive which acknowledges and identifies the Textiles sector as one of the key sectors that contribute to economic growth and employment creation (EDD strategy, 2011-2016.). Moreover, the textile manufacturing sector is poised to modestly benefit from the African Growth and Opportunity Act (AGOA), which 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 Textile 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 Textile design graduates with advanced technical knowledge, skills and competencies to:

- Demonstrate knowledge of the development of textile design concepts.
- Apply skills in fabric preparation techniques in a Textile company.
- Demonstrate surface packaging skills in a Textile producing environment.
- Demonstrate knowledge of the history Art and Textiles in a textile manufacturing company.
- Perform Quality Checks on Textile Products in a textile factory.
- Show textile factory workers how to perform quality control processes in a textile factory.
- Demonstrate fabric dyeing techniques in a Textile producing environment.
- Show textile workers, skills in fabric printing in a Textile factory.
- Demonstrate knowledge of fabric embroidery in a textile company.
- Apply skills in weaving techniques in a Textile manufacturing.
- Carry out skills in fabric painting in a Textile producing company.
- Demonstrate knowledge and understanding of CAD/CAM in an inclusive Textile environment

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### ***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 Institutional policies, in line with the national policies.

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<b>SECTION B</b>		<b>QUALIFICATION SPECIFICATION</b>	
<b>GRADUATE PROFILE (LEARNING OUTCOMES)</b>		<b>ASSESSMENT CRITERIA</b>	
1. Apply advanced Knowledge and understanding of the development of textile design concepts and History in a textile environment.		1.1 Research the themes on the development of textile design concepts.  1.2 Compile different shapes, lines, and colours on a story board of a design concept.  1.3 Discuss suitable motifs with a client in a textile factory.  1.4 Describe to colleagues, components of the Arts components and History of Textiles in manufacturing	
2. Demonstrate mastery and knowledge of Fabric Preparation skills in the Textile industry.		2.1 Carry out Fabric Inspection in a manufacturing company.  2.2 Present to colleagues on Fabric cutting concepts in a textile factory.  2.3 Discuss with textile workers Fabric Packaging concepts.	
3. Carry out Quality Control processes in a Textile factory.		3.1 Demonstrate to factory workers, the verification of fabric specifications.  3.2 Produce an inspection report in a textile factory.  3.3 Coordinate the packaging of fabrics in a textile company.	
4. Demonstrate advanced skills of Fabric Dyeing and printing techniques in a Textile manufacturing environment.		4.1 Produce fabric dye samples of work using numerous dyeing and printing techniques in a textile factory.  4.2 Create a fabric dye and print design on a length of fabric to a given brief using a specific painting technique in a textile environment.	

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5. Apply advanced Fabric Embroidery Techniques in the Textile industry	6.1 Produce motifs in a Textile factory. 6.2 Carry out embroidery activities in a textile company. 6.3 Present to a client a complete embroidered item.
6. Carry out technical skills of Weaving Techniques in a Textile manufacturing environment.	7.1 Prepare a yarn for weaving in a textile factory. 7.2 Weave a yarn appropriately with factory workers. 7.3 Produce a complete woven item for display in an exhibition.
7. Apply advanced CAD/CAM technical skills in a Textile environment.	9.1. Use CAD CAM themes in the Textile industry. 9.2 Compile different shapes, lines and colours Using CAD CAM. 9.3 Produce for a client, a final textile design using CAD CAM in a Textile company.
8. Demonstrate advanced knowledge and skills of good leather production Techniques in a Textile manufacturing environment.	10.1 Carry out the preparation of leather pieces in a stitching room. 10.2 Produce multiple samples of leather goods. 10.3 Present to a client, a leather item produced in a manufacturing factory to given specification.
9. Establish understanding of occupational health and safety knowledge in a Textile Design setting.	12.1 Carryout activities relating to health and safety rules in a Textile company. 12.2 Show textile workers skills relating to housekeeping procedures in a textile producing environment.
10. Apply advanced knowledge and technical skills relating to entrepreneurship in a Textile Design environment.	13.1 Create textile merchandise. 13.2 Sell textile merchandise to clients.
11. Demonstrate advanced supervisory skills in a Textile setting.	14.1 Supervise subordinates in a Textile setting.

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12. Apply technical Information and Communication Technology skills in designing Textile products.	15.1 Show junior factory workers, basic computer skills. 15.2 Carryout basic use of computers in designing and producing textile products.
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<b>SECTION C</b>	<b>QUALIFICATION STRUCTURE</b>				
<b>FUNDAMENTAL COMPONENT</b> <i>Subjects/ Courses/ Modules/Units</i>	<b>TITLE</b>	<b>Credits Per Relevant NCQF Level</b>			<b>Total</b> <i>(Per Subject/ Course/ Module/ Units)</i>
		<b>Level [ ]</b>	<b>Level [ 5 ]</b>	<b>Level [6 ]</b>	
	Occupational Health and Safety		8		8
	ICT		8		8
	Entrepreneurship 2			8	8
	Supervisory Skills			8	8
<b>CORE COMPONENT</b> <i>Subjects/Courses/ Modules/Units</i>	Design Skills Development		10		10
	Fabric preparation Skills		24		24
	History of Art& Textile			15	15
	Quality Control Processes in Textiles			14	14
	Fabric Dyeing Techniques			25	25
	Fabric Printing			25	25
	Fabric Embroidery			25	25
	Weaving Techniques			25	25

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	Integrated Project			30	30
	Work Placement			60	60
	Fabric Painting Techniques			25	25
	Computer Technology for Textile Design (CAD/ CAM)			25	25
	Introduction to working with Leather			25	25
<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>50</b>
<b>6</b>	<b>310</b>
<b>TOTAL CREDITS</b>	<b>360</b>
<b>Rules of Combination:</b> <b>(Please Indicate combinations for the different constituent components of the qualification)</b>	
<ul style="list-style-type: none"> <li>The Fundamental and core Components at levels 5 consist of modules to the value of <b>50 credits</b>.</li> <li>The Core and Fundamental Components at level 6 consists of modules to the value of <b>310 credits</b>.</li> </ul> <p>Candidates meeting the prescribed requirements will be awarded <b>Diploma in Textile Design</b> 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.</p> <p>Where Candidates have enrolled for modules / units the awarding body shall award a Record and Education Training (RET) / Transcript in accordance with applicable policies.</p>	

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## **ASSESSMENT ARRANGEMENTS**

All assessments leading to the awarding of this qualification will be based on learning outcomes associated with the following assessment criteria:

### **1. Formative assessment**

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

### **2. Summative Assessment**

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

Assessment arrangements will be done by BQA registered and accredited assessors.

## **MODERATION ARRANGEMENTS**

There shall be provision for internal and external moderation done by BQA registered and accredited Moderators.

## **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 using CAT, by means of ETP CAT policy in line with national CAT policy


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

### **LEARNING PATHWAYS**

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

- Diploma in Graphic Design
- Diploma in Multimedia Graphics
- Diploma in Visual Arts

Vertical (qualifications to which the holder may progress to)

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- Degree in Textile Engineering
- Degree in Leather Technology
- Degree in Fashion Fabrics and Accessories
- Degree in Clothing manufacture

### **EMPLOYMENT PATHWAYS**

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

- Textile Designer
- Textile Illustrator
- Textile Design educator
- Textile for Interior Designer
- Textile Design Technician
- Entrepreneur Textile Design
- Mixed-Media Textiles designer

### **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 a TVET **Diploma in Textile Design** and official transcripts.

### **REGIONAL AND INTERNATIONAL COMPARABILITY**

#### **Similarities and differences:**

The Australian government through Australian and territory government joint initiative, offers Diploma of Textile Design and Development at Australian Qualifications Framework level 5 and their modules are like those found in this qualification. The Durban University of Technology and Tshwane University of Technology, offer Fabric Dyeing and Printing Modules and both are at National Qualifications Framework level 6, just like in this qualification. Norwich University has a similar module named “Perform routine textile tests and analyze results”, this module is like quality control processes in textiles, offered in this qualification, and however the Norwich University is Framework for Higher Education Qualifications level 5. In addition, the Leeds Arts University offers Drawing and Print practice at foundation Diploma, in this qualification a similar module is CAD/CAM.

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Furthermore, Norwich University offers Surface and Digital Design module, which is similar to embroidery techniques in textiles, found in this qualification. The Royal College of Arts offers a Diploma in Textile in accordance with UK NQF level 5, and the overall Qualification is like this qualification.

### Further referencing list

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### REVIEW PERIOD

Every five (5) years

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