	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.P02.GD01
		Issue No.	01
		Effective Date	27.01.2021


SECTION A: QUALIFICATION DETAILS													
<b>QUALIFICATION DEVELOPER (S)</b>		Textile and Clothing Institute of Botswana											
<b>TITLE</b>	Certificate III in Clothing Manufacture (Sewing and Garment Assembly)										<b>NCQF LEVEL</b>	3	
<b>FIELD</b>	Manufacturing, Engineering and Technology			<b>SUB-FIELD</b>		Clothing Manufacture				<b>CREDIT VALUE</b>	42		
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	<input checked="" type="checkbox"/>	IV	V	Diploma	Bachelor				
	Bachelor Honours			Post Graduate Certificate				Post Graduate Diploma					
	Masters					Doctorate/ PhD							

## RATIONALE AND PURPOSE OF THE QUALIFICATION

### RATIONALE:

In 2016, Botswana developed Vision 2036, which is a transformational agenda that defines the aspirations and goals of the Botswana people. Vision 2036 aims at transforming Botswana from an upper-middle-income country to a high-income country by 2036. Vision 2036 has 4 major pillars which speak to the 17 sustainable development goals (SDGs) of the United Nations. The Vision 2016 pillars (Sustainable Economic Development, Human and Social Development, Sustainable Environment and Governance, Peace and Security) are part of the new models of development needed for Botswana to survive in this dynamic world where sustainable development has emerged globally as a new paradigm.

The Human Resources Development Council (HRDC) Top Occupations in Demand document of 2016 lists product and garment design with technical skills of design making, garment assembly, fabric layering, embroidery and screen painting, and with soft skills in numbers and attention to detail among occupations that have high demand in Botswana. Therefore, this qualification will assist by producing clothing manufacturers and designers.

	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.P02.GD01
		Issue No.	01
		Effective Date	27.01.2021

As a nation, Botswana is faced with a high unemployment rate of above 20% among the youths. This high unemployment is due to a mismatch between supply of skills from the education sector and the needs of the job market. The introduction of the Certificate in Sewing and Garment Construction is meant to address the high demand for artisans and technical assistants at national level. The qualification will churn out an internationally competitive workforce that is productive, creative, responsive and has international exposure. The clothing industry in Botswana is currently dominated by ready-to-wear clothing in retail outlets. This has created growth opportunities in this industry, which has in turn led to an increased demand for local graduates with qualifications in clothing manufacture. The qualification serves to meet the growing local demand for training and development through the TVET, focusing on sewing and garment assembly. Consequently, there is employment creation for our young local graduates. The qualification has been designed to equip learners with basic knowledge and skills in the clothing manufacture industry.

Further, in the country's diversifying drive, manufacturing has been identified as a major driver of the economy. Competent pattern makers, cutters and clothing technologists are essential for this manufacturing drive to be a success.

#### **PURPOSE:**


The purpose of this qualification is to produce graduates with basic operational and theoretical knowledge, skills, and competences to be able to:

- Use ICT skills to enhance collaboration, communication, and participation in the digital space.
- Communicate effectively with colleagues to achieve team-assignments in the workspace.
- Apply numbers, arithmetic, and measurement techniques to garment assembly processes.
- Comply with fundamental health and safety issues in a garment production workshop.
- Perform basic care and maintenance of sewing machinery and equipment.
- Draft simple designs and create patterns using given specifications.
- Construct basic garment components and complete simple garments.


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

Minimum entry requirements:


- NCQF Level II Certificate or equivalent.
- Applicants who do not meet the above criteria but possess relevant industry experience may be considered through Recognition of Prior Learning (RPL) and Credit Accumulation and Transfer (CAT) policies for access. This consideration will be done following guidelines of the ETP which are aligned with BQA/National policies.

	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.P02.GD01
		Issue No.	01
		Effective Date	27.01.2021


<b>SECTION B QUALIFICATION SPECIFICATION</b>	
<b>GRADUATE PROFILE (LEARNING OUTCOMES)</b>	<b>ASSESSMENT CRITERIA</b>
1. Communicate effectively using visual and/or language skills in oral and written presentation in the workplace.	1.1 Communicate effectively using appropriate forms in different situations. 1.2 Use verbal and non-verbal communication. 1.3 Produce error free business documents using appropriate presentation formats and writing styles.
2. Use ICT skills to enhance collaborative work, communication and participation in the digital space.	2.1 Practice safety techniques as well as responsible and ethical behavior when using ICT. 2.2 Communicate and collaborate locally and globally using ICTs. 2.3 Use ICT software including Computer Essential, Word, Excel, Presentation and Online Essential for production of various documents,
3. Apply numbers, arithmetic, measurement techniques and demonstrate how numbers relate to garment production.	3.1 Use number operations to performing work-related calculations (+, -, /, x). 3.2 Select main features of data and measurement techniques for length, area, volume, and time in performing work-related calculations. 3.3 Practice using unit of measurement conversions, calculations of areas/perimeters of composite/complex plane shapes, angles, volumes, prisms, cylinders, and pyramids. 3.4 Use statistical variables of mean, median, mode, range, inter-quartile range and standard deviation to interpret data used in garment production.
4. Under supervision, assess fundamental health and safety issues in clothing manufacturing workshops.	4.1 Interpret and comply with legislative and regulatory requirements, industry standards, and best practices in clothing manufacturing workplaces to achieve occupational health and safety compliance. 4.2 Demonstrate an understanding of potential health hazards and accidents in clothing manufacturing workshops. 4.3 Produce a register of hazards and accidents in line with organizational requirements. 4.4 Practice corrective and preventative behaviour to enhance health and safety in the workplace.

	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.P02.GD01
		Issue No.	01
		Effective Date	27.01.2021

5. Perform basic care and maintenance of basic sewing machinery and tools.	5.1 Thread sewing machinery and produce different types of stitches. 5.2 Practice proper and safe use of sewing machinery. 5.3 Practice general cleaning of machinery in a safe way. 5.4 Perform minor service and maintenance activities on sewing machinery and equipment.
6. Produce simple designs and create patterns of simple garments according to given specifications.	6.1 Practice drawing different types of lines, shapes and angles to conceptualize design. 6.2 Draw the human anatomy to proportion using the 9-heads principle. 6.3 Construct technical sketches of basic skirt/blouse/shirt and its design variations. 6.4 Draft simple patterns from technical sketches. 6.5 Produce basic pattern blocks such as skirt, back and front bodice, sleeves, collar, etc. 6.6 Create simple patterns from basic blocks. 6.7 Read, interpret and use a complete pattern.
7. Apply sewing skills to construct simple garments	7.1 Sew using different stitches/hems and create a portfolio of work. 7.2 Produce samples of different garment details. 7.3 Create different components of a garment, such as pockets, facings, zipper, collar, sleeve, vents, and fly zipper. 7.4 Construct complete simple garments such as ladies' straight skirt, blouse, and men's shirt.


 <b>BOTSWANA</b> Qualifications Authority	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.P02.GD01
		Issue No.	01
		Effective Date	27.01.2021

<b>SECTION C</b>		<b>QUALIFICATION STRUCTURE</b>			
<b>COMPONENT</b>	<b>TITLE</b>	<b>Credits Per Relevant NCQF Level</b>			<b>Total Credits</b>
		<b>Level [ 2 ]</b>	<b>Level [ 3 ]</b>	<b>Level [ 4 ]</b>	
<b>FUNDAMENTAL COMPONENT</b> <i>Subjects/ Courses/ Modules/Units</i>	Communication Skills		2		2
	ICT Skills		4		4
	Numeracy and Mathematics		4		4
	Occupational Health & Safety		2		2
<b>CORE COMPONENT</b> <i>Subjects/Courses/ Modules/Units</i>	Sewing Machinery and Basic Care and Maintenance		2		2
	Designing and Drafting Principles		4		4
	Fundamental Sewing Techniques		8		8
	Introduction to Garment Construction		12		12
<b>ELECTIVE/ OPTIONAL COMPONENT</b> <i>Subjects/Courses/ Modules/Units</i>	Fabric Printing & Dyeing		4		4
	Embroidery and Screen Printing		4		4

	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.P02.GD01
		Issue No.	01
		Effective Date	27.01.2021

<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>
3	42
<b>TOTAL CREDITS</b>	<b>42</b>
<b>Rules of Combination:</b> <b>(Please Indicate combinations for the different constituent components of the qualification)</b>	
<p>Candidates are required to achieve a minimum of 42 credits for the qualification inclusive of 12 credits from the generic units, 26 credits from the core units and 4 credits from the elective units. There are two electives, and learners are required to choose only one between the two.</p>	

<b>ASSESSMENT ARRANGEMENTS</b>
<p>a. Formative Assessment</p> <p>Formative assessment or continuous assessment contributing towards the award of credits shall be based on course outcome. This consists of tests, assignments and projects. The contribution of formative assessment to the final grade shall be <b>70%</b>.</p> <p>b. Summative Assessment</p> <p>Candidates shall undergo assessment including written and practical and simulated projects. The final examination contributes <b>30%</b> of the final mark of the course.</p>
<b>MODERATION ARRANGEMENTS</b>
<p>Assessments will be internally and externally moderated by registered and accredited moderators in line with approved assessment and moderation policies.</p>
<b>RECOGNITION OF PRIOR LEARNING</b>

	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.P02.GD01
		Issue No.	01
		Effective Date	27.01.2021

Candidates may submit evidence of prior learning and current competence and/or undergo appropriate forms of RPL assessment for the award of the qualification in accordance with applicable Institution's RPL policies in line with relevant national-level policy and legislative framework. Implementation of RPL shall also be consistent with requirements, if any, prescribed for the field or sub- field of study by relevant national, regional or international professional bodies.

### **CREDIT ACCUMULATION AND TRANSFER**

Credit Accumulation and Transfer (CAT) for the award of credits towards the qualification in accordance with applicable Institute RPL policies and relevant national-level policy and legislative framework.

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

Upon successful completion of this qualification, learners may either progress to another qualification or employment opportunity. In progressing to another qualification, learners may choose horizontal articulation or vertical articulation.

#### **Learning**

- a) Horizontal Articulation
  - Certificate III in Clothing Manufacture (Design and Pattern Making)
  - Certificate III in Clothing Manufacture (Dressmaking)
- b) Vertical Articulation
  - Certificate IV in Clothing Manufacture (Sewing and Garment Assembly)

#### **Employment**


After attaining this qualification, learners may work as:

- Tailor
- Sample Pattern Markers
- Showroom/Workshop Assistant

### **QUALIFICATION AWARD AND CERTIFICATION**

#### **Award**

A learner is required to achieve the stipulated total of 46 credits inclusive of 12 generic, 30 core and 4 elective components, to be issued with a certificate indicating the award, Certificate III in Textile Manufacture (Sewing and Garment Assembly).

	<b>BQA NCQF QUALIFICATION TEMPLATE</b>	Document No.	DNCQF.P02.GD01
		Issue No.	01
		Effective Date	27.01.2021

### **Certification**

A certificate will be issued to learners who successfully complete the qualification, indicating the award, Certificate III in Textile Manufacture (Sewing and Garment Assembly).

### **REGIONAL AND INTERNATIONAL COMPARABILITY**

The qualifications noted above are generally comparable in terms of main exit outcomes, qualification structure, education and employment pathways. The difference observed is that the SAQA has a higher credit weighting and content scope than the NZQA. In terms of modules, both qualifications provide a broad introduction and understanding of the different aspects of clothing manufacturing industry.

However, the SAQA content is pitched higher (e.g. Quality Control Inspection at this level) hence the higher credit weighting and longer duration.

Both qualifications prepare learners for employment or further education.

### **REVIEW PERIOD**

The qualification will be reviewed every 5 years.