

<b>SECTION A: QUALIFICATION DETAILS</b>												
<b>QUALIFICATION DEVELOPER</b>			Textile and Clothing Institute of Botswana									
<b>TITLE</b>	Certificate III in Clothing Manufacture (Design and Pattern Making)								<b>NCQF LEVEL</b>	3		
<b>FIELD</b>	Manufacturing, Engineering and Technology			<b>SUB-FIELD</b>	Clothing Manufacture				<b>CREDIT VALUE</b>	42		
<i>New Qualification</i>				✓		<i>Review of Existing Qualification</i>						
<b>SUB-FRAMEWORK</b>		<i>General Education</i>			<i>TVET</i>			✓		<i>Higher Education</i>		
<b>QUALIFICATION TYPE</b>	Certificate	I	II	III	✓	IV	V	Diploma	Bachelor			
	Bachelor Honours		Post Graduate Certificate				Post Graduate Diploma					
	Masters				Doctorate/ PhD							
<b>RATIONALE AND PURPOSE OF THE QUALIFICATION</b>												
<b>RATIONALE:</b>												
<p>In 2016, Botswana developed the country's vision 2036 which states the need for Botswana to define and manage its way to 'Prosperity for All', as well as to adjust to the rapidly changing global economy and social order. Vision 2036 has 4 pillars which speak to the 17 sustainable development goals (SDGs) of the United Nations. The introduction of the Design and Pattern Making qualification contributes to two (2) of the Vision 2036 pillars namely, sustainable development and human social development. As Botswana is working towards a vibrant micro and small enterprises (MSEs) sector that contributes to the economy, job creation and provision of sustainable livelihoods can be supported by growing the clothing manufacture industry through the production of qualified and skilled learners.</p> <p>The Certificate in Clothing Manufacture (Design and Pattern Making) was developed in response to the Human Resources Development Council (HRDC) Top Occupations in Demand document of 201. The document 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, designers, and pattern makers.</p> <p>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 clothing manufacturers, designers, and pattern makers. The qualification serves to meet the growing local demand for training and development through the TVET, focusing on designing and pattern making. 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, who will eventually build successful careers.</p>												

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

***PURPOSE:***

The purpose of this qualification is to produce artisans in clothing design and pattern making with knowledge, skills, and competence to perform the following:

- Utilise ICT skills to enhance the learning process, communication effectively and participation in the digital space
- Under supervision, assess fundamental health and safety issues in clothing production workshops to reduce potential health hazards and accidents
- Perform basic care and maintenance of sewing machinery, tools, and equipment
- Apply basic drawing skills to create simple fashion figures, design templates and the human anatomy to proportion as well as draft and produce simple patterns

The qualification will contribute to the country's manpower development through the provision of skilled artisans for the clothing manufacturing industry, which is currently in high demand.

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

An applicant for this qualification must have the following.

- NCQF 2 Certificate Level II 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>SECTION B</b>		<b>QUALIFICATION SPECIFICATION</b>	
<b>GRADUATE PROFILE (LEARNING OUTCOMES)</b>		<b>ASSESSMENT CRITERIA</b>	
<b>LO 1:</b> - Communicate effectively using visual and/or language skills in oral and written presentation	AC1.1 Utilize verbal and non-verbal communication where appropriate within the work environment AC1.2 Use appropriate presentation formats and writing styles to produce error free business documents		
<b>LO 2:</b> - Use ICT skills to enhance the learning process, communication, and participation in the digital space	AC2.1 Practice safety techniques as well as responsible and ethical behavior when using ICT users AC2.2 Communicate and collaborate locally and globally using ICTs AC2.3 Use ICT software for production of various documents, e.g., Computer Essential, Word, Excel, Presentation, Online Essential		
<b>LO 3:</b> - Apply numbers, arithmetic, measurement techniques and explain how numbers relate to our daily lives	AC3.1 Use number operations when performing work-related calculations (+, -, /, x) AC3.2 Select main features of data and measurement techniques for length, area, volume, and time when performing work-related calculations. AC3.3 Practice using unit of measurement conversions, calculations of areas/perimeters of composite/complex plane shapes, angles, volumes, prisms, cylinders, and pyramids AC3.4 Use statistical variables of mean, median, mode, range, inter-quartile range and standard deviation to interpret data used in garment production		
<b>LO 4:</b> - Under supervision, assess fundamental health and safety issues in clothing manufacturing workshops	AC4.1 Interpret legislative and regulatory requirements, industry standards, and best practices in clothing manufacturing workplaces to achieve occupational health and safety compliance. AC4.2 Create a list of potential health hazards and accidents and devise prevention plan in clothing manufacturing workshops AC4.3 Produce a register of hazards and accidents in line with organizational requirements AC4.4 Practice corrective and preventative behavior to enhance health and safety in the workplace		
<b>LO 5:</b> - Perform basic care and maintenance of sewing machinery and tools	AC5.1 Thread sewing machinery and produce different types of stitches AC5.2 Practice proper and safe use of sewing machinery AC5.3 Practice general cleaning of machinery in a safe way AC5.4 Perform minor service and maintenance activities on sewing machinery and equipment		
<b>LO 6:-</b> Produce simple designs and	AC6.1 Practice drawing different types of lines, shapes, and		

**BQA NCQF Qualification Template**

**DNCQF.FDMD.GD03**

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<p>patterns of basic garments</p>	<p>angles to conceptualize design  <b>AC6.2</b> Apply drawing skills to produce the human anatomy to proportion  <b>AC6.3</b> Apply principles of designing in producing technical sketches of basic skirt/blouse/shirt and its design variations  <b>AC6.4</b> Produce technical specifications from sketches/drawings and draft simple patterns  <b>AC6.5</b> Produce basic pattern blocks such as skirt, back and front bodice, sleeves, collar, etc.</p>
<p><b>LO 7:-</b> Demonstrate sewing skills and create simple garments</p>	<p><b>AC7.1</b> Practice sewing using different stitches/hems and create a portfolio of work  <b>AC7.2</b> Produce samples of different garment details  <b>AC7.3</b> Create different components of a garment, such as pockets, facings, zipper, collar, sleeve, vents, and fly zipper  <b>AC7.4</b> Construct complete simple garments as follows: - ladies' straight skirt, blouse, dress</p>

**BQA NCQF Qualification Template**

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<b>SECTION C</b>	<b>QUALIFICATION STRUCTURE</b>				
<b>GENERIC COMPONENT</b> <i>Subjects/ Courses/ Modules/Units</i>	<b>TITLE</b>	<b>Credits Per Relevant NCQF Level</b>			<b>Total (Per Subject/ Course/ Module/ Units)</b>
		<b>Level [ 3]</b>	<b>Level [ 4]</b>	<b>Level [ 5]</b>	
	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
	Introduction to Pattern Making	4			4
	Design and Drafting principles	8			8
	Sewing Techniques and Garment Construction	12			12
<b>ELECTIVE/ OPTIONAL COMPONENT</b> <i>Subjects/Courses / Modules/Units</i>	Fabric Printing & Dyeing	4			4
	Embroidery & Screen Printing	4			4

**SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL**

**TOTAL CREDITS PER NCQF LEVEL**

<b>NCQF Level</b>	<b>Credit Value</b>
<b>Generic Units</b>	<b>12</b>
<b>Core Units</b>	<b>26</b>
<b>Elective Units</b>	<b>4</b>
<b>TOTAL CREDITS</b>	<b>42</b>

**Rules of Combination:**

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

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.

### **ASSESSMENT ARRANGEMENTS**

**a. Formative Assessment**

Formative assessment or continuous assessment contributing towards the award of credits shall be based on course outcome. The contribution of formative assessment to the final grade shall be **70%**.

**b. Summative Assessment**

Candidates shall undergo assessment including written and practical and simulated projects. The final examination contributes **30%** of the final mark of the course.

### **MODERATION ARRANGEMENTS**

**The qualification shall have assessment and internal and external moderations. BQA credited assessors and moderators shall be engaged for both exercises.**

### **RECOGNITION OF PRIOR LEARNING (if applicable)**

Candidates may submit evidence of prior learning and current competence and/or undergo appropriate forms of RPL assessment for the award of credits towards the qualification in accordance with applicable Institute RPL policies and 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.

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

#### **Learning**

##### **Horizontal Articulation**

- Certificate III in Clothing Manufacture (Sewing and Garment Assembly)
- Certificate III in Clothing Manufacture (Dressmaking)

##### **Vertical Articulation**

- On successful completion of the qualification, learners shall proceed to the Certificate IV in Clothing Manufacture (Design and Pattern Making)

#### **Employment**

After attaining this qualification, learners may work as:

- Tailor
- Sample Pattern Markers

- Showroom/Workshop Assistant

**QUALIFICATION AWARD AND CERTIFICATION**

**Minimum Standards of achievement for the award of the Certificate III in Clothing Manufacture (Design and Pattern Making)**

***Certificate III in Clothing Manufacture (Design and Pattern Making)***

**Certification**

A certificate will be awarded to learners who successfully complete the qualification.

**REGIONAL AND INTERNATIONAL COMPARABILITY**

	QUALIFICATIONS	
VARIABLES	<b>New Zealand: - NZQA Level 3 Certificate in Clothing Manufacture (Basic Garment Assembly)</b>	<b>South Africa: - SAQA Level 4 National Certificate in Clothing Manufacturing Technology</b>
Learning Outcomes	<ul style="list-style-type: none"> <li>• Demonstrate knowledge of workplace practices, including occupational health &amp; safety</li> <li>• Operate standard sewing machinery/equipment</li> <li>• Assemble entire garment</li> </ul>	<ul style="list-style-type: none"> <li>• Assemble complete garments</li> <li>• Mark, plan and cut fabric</li> <li>• Develop, implement and monitor health and safety policies</li> <li>• Maintain Quality Control systems</li> </ul>
Modules	Sewing Machinery and Equipment, Garment Construction, Garment Assembly, Practical Sewing of garment pieces, Workplace Practice, Occupational Health and Safety	Sewing Machinery and Equipment, Pattern Development, Quality Control, Fabric Laying and Cutting, Occupational Health and Safety, Production Planning, Marketing
Credits and Duration	51 credits, inclusive of generic, core and electives, to be completed in six months	130 credits, inclusive of generic, core and electives to be completed in one year.

The above qualifications are generally comparable in terms of learning outcomes, modules, qualification structure and employment pathways. There are common modules in these qualifications, but the content scope varies. The SAQA modules are pitched higher than the NZQA, hence the higher credit weighting and duration. The NZQA compares very well with our qualification both in term of credit weighting and duration.

Employment pathways are similar for the above qualifications as learners can be self-employed in a tailor shop or work in fashion business.

***REVIEW PERIOD***

*Certificate III in Clothing Manufacture (Design and Pattern Making)* is registered for a five (5) year period. An application for renewal of registration shall be made at least 6 months before the expiry of the 5-year period.