

# **NCQF Fields, Subfields and Domains of Learning**



## 1.0 Background

The paper presents the National Credit and Qualifications Framework Sub-fields and Domains of Learning as identified by the relevant stakeholders in consultation with the Botswana Qualifications Authority. The Fields of Learning are determined by the Authority as per Regulation 11(2), of the Botswana Qualifications Authority (National Credit and Qualifications Framework) Regulations, 2016. The sub-fields and domains of learning are derived from the Fields of Learning. Regulation 11 (5) states that “A field of learning, sub-field and domain shall be determined by the Authority in consultation with relevant stakeholders” (Botswana Qualifications Authority (National Credit and Qualifications Framework) Regulations, 2016).

The National Credit and Qualifications Framework Classification System is a categorisation of qualifications and part qualifications registered on the National Credit and Qualifications Framework (NCQF). The Classification System has been provided for in regulation 11(1) of the (National Credit and Qualifications Framework Regulations), 2016 which states that,

*“the NCQF shall consist of a number of fields of learning, subfields, domains known as NCQF Classification System” (p. C.741).*

The components of the Classification System are defined below:

- (i) **Field of learning** - the broadest combinations of learning outcomes with a coherent alignment.
- (ii) **Sub-fields of learning** - coherent sub-classification of Fields; and
- (iii) **Domain** - the smallest combination of learning outcomes having a detailed and specific alignment.

## **2.0 Purpose of the NCQF Classification System**

The purpose of the NCQF Classification System is to:

- a) Promote consistency in the terms used in the naming of qualifications (i.e., consistency in designators and qualifiers)
- b) Allow qualifications and part qualifications to be placed in an orderly manner in the NCQF to enable stakeholders to readily locate qualifications or part qualifications on the Framework.
- c) Used for determining the scope of registration and accreditation of Awarding Bodies and Education and Training Providers (ETPs).
- d) Used by qualification developers for describing flexible qualification pathways within a qualification.
- e) Enables sharing of qualifications data at a national, regional, and international level.

## **3.0 Development of the NCQF Classification System**

Regulation 11(2) of the Botswana Qualifications Authority (National Credit and Qualifications Framework Regulations), 2016, outlines the 14 Fields of Learning on Annexure C of the Regulations. The Authority conducted consultations with relevant stakeholders and benchmarked against Standards Classification of Education such as the Botswana International Standard Classification of Education (BISCED) and International Standard Classification of Education (ISCED) were undertaken to determine the Sub Fields and Domains of Learning.

## **4.0 Review Period**

The NCQF Classification System will be reviewed biennially.

## Annexure 1

**Table 1: NCQF Fields, Sub Fields and Domains of Learning**

<b>FIELD</b>	<b>SUB FIELDS</b>	<b>DOMAINS</b>
1. Agriculture and Nature Conservation	1.1 Crop Production	1.1.1 Agronomy 1.1.2 Horticulture 1.1.3 Landscaping
	1.2 Animal Production	1.2.1 Fisheries 1.2.2 Veterinary 1.2.3 Livestock Production
	1.3 Nature Conservation	1.3.1 Forestry and Wood Technology
2. Business, Commerce and Management Studies	2.1 Finance	2.1.1 Finance, Banking and Insurance
	2.2 Accounting	2.2.1 Accounting and Taxation
	2.3 Management Studies	2.3.1 Management and Administration 2.3.2 Marketing and Advertising 2.3.3 Secretarial and Office Work 2.3.4 Wholesale and Retail Sales 2.3.5 Work Skills
3. Culture, Arts and Crafts	3.1 Design Studies	3.1.1 Fashion Design 3.1.2 Interior Design 3.1.3 Industrial Design
	3.2 Visual Arts	3.2.1 Audio-visual Techniques and Media Production 3.2.2 Fine Arts 3.2.3 Photography 3.2.4 Crafts
	3.3 Performing Arts	3.3.1 Music 3.3.2 Drama and Theatre 3.3.3. Dance
	3.4 Sport and Recreation	3.4.1 Sports and Leisure

<b>FIELD</b>	<b>SUB FIELDS</b>	<b>DOMAINS</b>
4. Education and Training	4.1 Education Science	4.1.1 Education Science
	4.2 Education	4.2.1 Adult Education 4.2.2 Curriculum Development in Non-Vocational and Vocational Subjects 4.2.3 Educational Assessment, Testing and Measurement 4.2.4 Lifelong Learning
	4.3 Training	4.3.1 Teacher Training for Kindergarten, Elementary Schools, Pre- school 4.3.2 Teacher Training without subject specialisation 4.3.3 Teacher Training with Subject Specialisation
	4.4 Early Childhood	4.4.1 Early Childhood Education 4.4.2 Early Childhood Care 4.4.3 Early Childhood Development
5. Generic Skills	5.1 General Education Qualifications	5.1.1 General Education Qualifications
	5.2 Literacy and Numeracy	5.2.1 Literacy and numeracy
	5.3 Personal Development	5.3.1 Personal development
6. Health and Social Services	6.1 Health Science	6.1.1 Dental studies 6.1.2 Medicine 6.1.3 Nursing and Midwifery 6.1.4 Medical Diagnostic and Treatment Technology 6.1.5 Therapy and Rehabilitation 6.1.6 Pharmacy
	6.2 Social Services	6.2.1 Care of the Elderly and of Disabled Adults 6.2.2 Childcare and youth services 6.2.3 Social work and counselling

<b>FIELD</b>	<b>SUB FIELDS</b>	<b>DOMAINS</b>
7. Humanities and Social Sciences	7.1 Humanities	7.1.1 Religion and Theology 7.1.2 History and Archaeology 7.1.3 Philosophy and Ethics
	7.2 Languages	7.2.1 Language Acquisition 7.2.2 Literature and Linguistics
	7.3 Social and Behavioural Sciences	7.3.1 Economics 7.3.2 Political sciences and Civics 7.3.3 Psychology 7.3.4 Sociology and Cultural Studies
8. Information and Communication Technology	8.1 Information Technology	8.1.1 Computer use and Information Technology 8.1.2 Database and Information Systems 8.1.3 Network Design and Administration 8.1.4 Software and Applications Development and Analysis
	8.2 Media Technology	8.2.1 Internet Technologies
	8.3 Communication Technology	8.3.1 Telecommunications 8.3.2 Broadcasting
9. Law and Security	9.1 Law	9.1.1 Justice in Society
	9.2 Security	9.2.1 Sovereignty of the State
10. Manufacturing, Engineering and Technology	10.1 Engineering and engineering trades	10.1.1 Chemical Engineering and Processes 10.1.2 Environmental Protection Technology 10.1.3 Electricity and Energy 10.1.4 Electronics and Automation 10.1.5 Mechanics and Metal Trades 10.1.6 Motor Vehicles, and Aircraft

FIELD	SUB FIELDS	DOMAINS
	10.2 Manufacturing and processing	10.2.1 Food processing 10.2.2 Materials (Glass, Paper, Plastic and Wood) 10.2.3 Textiles (Clothes, Footwear and leather)
11 Mining	11.1 Mining engineering 11.2 Mineral processing 11.3 Geomechanics 11.4 Gas and Petrol Chemical Industry Engineering 11.5 Reservoir Engineering	11.1.1 Excavation 11.2.1 Metallurgy 11.3.1 Geology
12 Natural, Mathematical and Life Sciences	12.1 Biological Sciences	12.1.1 Biology sciences 12.1.2 Biochemistry and Biotechnology 12.1.3 Ecology and Evolution 12.1.4 Marine Science 12.1.5 Genetics 12.1.6 Microbiology 12.1.7 Zoology and Animal Sciences 12.1.8 Cell Biology 12.1.9 Botany
	12.2 Environmental chemistry	12.2.1 Atmospheric Chemistry 12.2.2 Geochemistry 12.2.3 Environmental Modelling 12.2.4 Pollution studies 12.2.5 Environmental Toxicology
	12.3 Social Sciences/Environment Management sciences	12.3.1 Human Geography 12.3.2 Environmental Policy 12.3.3 Rural Development 12.3.4 Population Geography 12.3.5 Environmental Law

FIELD	SUB FIELDS	DOMAINS
		12.3.6 Range resource management 12.3.7 Water resource management 12.3.8 Environmental/Resource/Ecological Economics 12.3.9 Wildlife management 12.3.10 Disaster Management 12.3.11 Land use Planning 12.3.12 Environmental auditing 12.3.13 Tourism development
	12.4 Physical sciences	12.4.1 Inorganic Chemistry. 12.4.2 Organic Chemistry. 12.4.3 Physics and Astronomy domains 12.4.4 Physics 12.4.5 Astronomy
	12.5 Earth Sciences	12.5.1 Atmospheric Sciences 12.5.2 Geology 12.5.3 Geophysics 12.5.4 Geochemistry 12.5.5 Soil Science 12.5.6 Hydrology 12.5.7 Oceanography 12.5.8 Geography 12.5.9 Climatology and Meteorology 12.5.10 Pedology 12.5.11 Geomorphology 12.5.12 Geographical Information Systems 12.5.13 Remote Sensing 12.5.14 Physical Geography



FIELD	SUB FIELDS	DOMAINS
	12.6 Mathematics and statistics	12.6.1 Mathematics 12.6.2 Statistics
13 Physical Planning and Construction	13.1 Architecture	13.1.1 Architecture and Town Planning 13.1.2 Building and construction
	13.2 Building construction	13.2.1 Construction Management 13.2.2 Construction Processes
14 Services	14.1 Personal services	14.1.1 Domestic Services 14.1.2 Hair and Beauty Services 14.1.3 Hotel, Restaurants and Catering 14.1.4 Travel, Tourism and Leisure
	14.2 Hygiene and Occupational Health Services	14.2.1 Community Sanitation 14.2.2 Occupational Health and Safety
	14.3 Transport Services	14.3.1 Transport Services
	14.4 Security Services	14.4.1 Protection of Persons and Property 14.4.2 Military and Defence 14.4.3 Safety in Society