REPUBLIC OF KENYA
MINISTRY OF HEALTH

KENYA MEDICAL LABORATORY TECHNICIANS & TECHNOLOGIST BOARD
Make Testing a Safe Reality

KENYA MEDICAL LABORATORY TECHNICIANS AND TECHNOLOGISTS BOARD

KMLTTB CURRICULUM MAPPING POLICY AND GUIDELINES FOR FOREIGN-TRAINED APPLICANTS.

Pursuant to the Medical Laboratory Technicians and Technologists Act CAP 253 A Laws of Kenya

QUALITY ASSURANCE SERVICES

	KMLTTB CURRICULUM MAPPING POLICY AND GUIDELINES FOR FOREIGN-TRAINED APPLICANTS.		DOCUMENT CONTROL Serial: KMLTTB/CUR/MAP/POLICY/01 Version 001 Date: 19TH OCTOBER, 2026
	OWNERSHIP	REGISTRAR	

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KMLTTB CURRICULUM MAPPING POLICY AND GUIDELINES FOR FOREIGN-TRAINED APPLICANTS.

INTRODUCTION

The Kenya Medical Laboratory Technicians and Technologists Board (KMLTTB) is a body corporate with statutory mandate to exercise general supervision and control over the training, practice, business and employment of medical laboratory technicians and technologists under Cap 253A Laws of Kenya. The Board also advises the Government in relations to all aspects thereof including validation of invitro diagnostics through Legal Notice NO.113 of 2011

Pursuant to the **Medical Laboratory Technicians and Technologists Act, CAP 253A of the Laws of Kenya**, the Kenya Medical Laboratory Technicians and Technologists Board (KMLTTB) establishes TRAINING STANDARDS which are a comprehensive regulatory framework. This standard governs medical laboratory operations for the diagnosis, treatment, clinical management, treatment monitoring, and prevention of all diseases, within the Republic of Kenya.

The main goal of the MLS services is to ensure provision of safe, professional, competent and ethical Medical Laboratory Services in accordance to Cap 253A of the Laws of Kenya.

The **Standards for Medical Laboratory Services in Food and Nutrition Diseases** is one of the guidelines prepared by the KMLTTB prescribing mandatory clinical practice and competencies professionals shall practice in the course of their duty.

Our Vision

"That the Health of every Kenyan will be fully protected through effective regulation of the practice of laboratory medicine."

Our Mission

"To Exercise General Control and Supervision over training, business, employment and practice of Laboratory Medicine and Advise the Government on all related matters."

Our Core Values

Integrity; Selfless service; Innovation and open-mindedness; Sense of belonging; Pride in what we do.

1. PURPOSE AND SCOPE

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This policy establishes a standardized mechanism for the **Kenya Medical Laboratory Technicians and Technologists Board (KMLTTB)** to evaluate, map, and align the curricula of individuals who completed their medical laboratory sciences training **outside of Kenya**. The primary goal is to verify that foreign training meets the rigorous quality, safety, and core competency standards required for Professional registration and licensing under Kenyan law.

2. LEGAL AND REGULATORY FRAMEWORK

This policy operates under the mandate of the **Medical Laboratory Technicians and Technologists Act (Cap. 253A)** of the Laws of Kenya, ensuring that all practicing professionals possess equivalent competencies to those trained under the approved KMLTTB curriculum.

3. CORE CURRICULUM MAPPING CRITERIA

The Quality Assurance Department and Registration Committee shall evaluate the submitted curricula against the standard KMLTTB benchmark across five primary vectors:

A. **Credit Hour Equivalency:** Total instructional and Medical laboratory contact hours must meet or exceed Kenyan standards.
B. **Core Disciplinary Depth:** Verification of adequate coursework in Clinical Chemistry, Hematology, Blood Transfusion Science, Medical Microbiology, Parasitology, Histopathology, and Immunology.
C. **Clinical Rotation / Practicum:** Minimum required hands-on probation/ internship hours in an accredited hospital laboratory setting.
D. **Institutional Accreditation:** The training institution must be recognized by the regulatory body of the country of origin.

4. EVALUATION AND MAPPING PROCESS

Step 1: Application Submission – The applicant submits an official transcript, detailed Syllabus/curriculum, proof of graduation, and registration from the host country.

Step 2: Document Verification – Credentials undergo translation (if applicable) and verification of authenticity.

Step 3: Gap Analysis – Subject-by-subject mapping to identify missing components or deficiencies relative to the KMLTTB curriculum.

Step 4: Board Determination – Approval, conditional approval (requiring remedial coursework/clinical placement), or rejection.

5. REQUISITE SUBJECT MAPPING MATRIX

SN.O	Core Subject Area	KMLTTB Benchmark Requirements	Applicant Equivalency Status Attachment Hours
1.	Clinical Chemistry	Instrumentation, Metabolic Profiles, Quality Control, Endocrinology	[ ] Matches [ ] Gap Identified
2.	Hematology and Blood Transfusion	Hemostasis, Anemias, Immunohematology, Cross-matching, Donor Care	[ ] Matches [ ] Gap Identified

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3.	Medical Microbiology and Virology	Bacteriology, Mycology, Antibiotic Sensitivity, Diagnostic Virology	[ ] Matches [ ] Gap Identified
4.	Histopathology and Cytology	Tissue Processing, Sectioning, Staining, Exfoliative Cytology	[ ] Matches [ ] Gap Identified
5.	Clinical Practicum / Internship	Minimum structured rotation in a certified tertiary lab facility	[ ] Matches [ ] Gap Identified

Implementation Framework: Minimum Credit Hours, Language Proficiency Requirements, and Gap Analysis Instruments for Foreign-Trained Applicants.

6. . Minimum Credit Hour and Clinical Placement Benchmarks

To satisfy registration criteria under the **Medical Laboratory Technicians and Technologists Act (Cap. 253A)**, foreign curricula must meet or exceed the following structural standards. The Board converts all foreign metrics to equivalent **Kenya Medical Laboratory Technicians and Technologists Board (KMLTTB)** academic credits (1 credit = 10 Nominal learning hours).

REQUIREMENTS BEFORE BEING ADMITED TO SIT FOR KMLLTTB REGISTRATION EXAMINATIONS						
SNO.	CORE CURRICULA DOMAIN	KMLTTB BENCHMARK REQUIREMENTS		MINIMUM ACADEMIC CREDITS (KMLTTB)	REQUIERD CLINICAL ATTACHMENT(HRS)	
		DIPLOMA	*DEGREE*		DIPLOMA	BSC
1.	Medical Microbiology (Bacteriology)	12	14	100	40	60
2.	Medical Microbiology (Virology)	8	10	100	40	60
3.	Medical Microbiology (Mycology)	8	10	100	40	60
4.	Clinical Chemistry / Metabolic Biochemistry	12	14	160	40	60
5.	Hematology	12	14	160	40	60
6.	Blood Transfusion Science (Immunohematology)	12	14	160	40	60
7.	Histopathology	12	14		40	60
8.	Cytopathology	6	8	100	40	60
9.	Medical Parasitology	12	14	100	40	60

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10.	Medical Entomology	6	8	80	40	60
11.	Immunology	8	10	60	40	60
12.	Medical Laboratory Management, Ethics, Laws and Safety (Biosafety and biosecurity)	12	14	140	40	60
13.	Molecular Diagnostics	12	14	140	40	60
14.	Epidemiology	10	12	100	40	60

7. The Kenya Medical Laboratory Technologists and Technicians Board (KMLTTB) establishes strict benchmarks for training institutions under the Medical Laboratory Technicians and Technologists (Curriculum and Course Content) Regulations and the KMLTTB Institutional Curriculum Development and Harmonization Regulatory Process Guide

8. The general regulatory framework for both **Diploma** and **BSc (Degree)** curricula across these core domains requires adherence to specific credit structures and clinical hours. According to KMLTTB standards, clinical attachment must be a **minimum of 16 weeks** (or up to **1,760 hours** across full professional block placements for long-cycle vocational integrations) where trainees must rotate across *all* core competencies in a board-approved facility. This is however escalated to 12 Months for those trained outside of the republic of Kenya

9. Detailed English Language Proficiency Requirements

Since English is the official language of instruction and practice in Kenyan clinical settings, all applicants from
Non-English speaking jurisdictions or whose primary training medium was not English must demonstrate proficiency through standardized tests.

10. REMEDIATION AND GAP CLOSURE

Applicants identified with curriculum gaps missing up to a defined threshold may be allowed to register or remedial courses at a KMLTTB-approved Kenyan training institution or undergo a supervised clinical placement prior to sitting the Board Exam.

.....THE END.....

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