

Module/Section	Cadre	Qualification	Proposed number
		above	
	Cook	Form four Secondary school education certificate	4
	Assistant Supplies officer	Diploma in supplies management or equivalent	1
	Warden	Diploma in Social welfare	1
	Personal Secretary	Diploma in Office management	1
	Assistant Librarian	Diploma in Library Management and above	1
	Office attendant	Certificate in Secondary School Education	2
	Driver	Form IV & class C Driving license	1

Advanced Diploma In Operation Theatre Management Summary

	Cadre	Proposed Number
Teaching staff	NO (Nurse Tutor)	9
Sub total		9
Administrative staff	Principal	*1 one of the tutors
	Health Secretary	1
	Assistant Librarian	1
	Assistant Accountant	1
	Warden	1
	Personal secretary	1
	Assistant Supplies Officer	1
	Cook	4
	Office attendant	1
Driver	1	
Sub total		12
Total Number of staff		21

7.5 Mental Health Nursing School (Advance Diploma)

The Psychiatry nursing training was established to ensure production of mental health nurses who are highly competent with knowledge, skills and appropriate attitude in the provision of quality mental health services to the individual patient, family and society

The Ministry of Health own one psychiatric Nursing School. This is an In-service specialized nursing training in the field of psychiatry at the Advanced Diploma level. The capacity of the school is 25 students and the duration is 2 academic years. Criteria for setting numbers are as follows:

- 140 hours for teaching and learning process per semester
- 25 students
- 3 hrs for teaching sessions

- 1hr tutorial per week
- 1hr of assignment per week
- 2 tests per semester
- 1 semester examination
- Evaluate 2 times per semester
- 3 hrs for practical per week

Table 17: Staffing Levels for Advance Diploma in Mental Health Nursing

Module/Section	Cadre	Qualification	Proposed number
Mental health nursing and Psychiatric nursing	Nursing Officer (Nurse Tutor)	Bachelor of Nursing or Equivalent with mental health specialty	1
Information, Education, Communication and Counselling	Nursing Officer (Nurse Tutor)	Bachelor of Nursing or equivalent	1
Community mental health	Nursing Officer (Nurse Tutor)	Bachelor of Nursing or equivalent with mental health nursing	1
Epidemiology, Biostatistics and Demography	Nursing Officer (Nurse Tutor)	Bachelor of Nursing or equivalent	1
Health Psychology	Medical Doctor	Bachelor in Medicine or equivalent	1
Leadership and management	Nursing Officer (Nurse Tutor)	Bachelor of Nursing or equivalent	1
Basic sciences	Nursing Officer (Nurse Tutor)	Bachelor of Nursing or equivalent	1
	Medical Officer	Bachelor in Medicine or equivalent	1* from Health Psychology
	Laboratory Technologist	Bachelor of Science or equivalent	1
Research methodology	Nursing Officer (Nurse Tutor)	Bachelor of Nursing or equivalent	1
Development studies	Nursing Officer (Nurse Tutor)	Bachelor of Nursing with Development Studies knowledge or equivalent	1
Administration	Principal-SNO (Nurse Tutor)	Bachelor/Masters in Nursing or equivalent with mental health nursing	1
	Health secretary	BA of public Admin. in health serv. Mgmnt	1
	Warden	Diploma in Social welfare	1
	Assistant Accountant	Diploma in accountancy or equivalent	1
	Cook	Certificate in hotel management or equivalent	4
	Assistant Supplies officer	Diploma in supplies management or Equivalent	1
	Personal Secretary	Diploma in office management	1
	Assistant Librarian	Diploma in library management and above	1
	ICT Technician	Diploma in ICT/Computer studies and above	1
	Laboratory Attendant	Certificate in secondary education or above	1

Module/Section	Cadre	Qualification	Proposed number
	Security Guard	Certificate in Secondary school and people militia or National service	4
	Medical attendant	Certificate of Secondary Education, 1 yr course	1
	Driver	Certificate of Secondary Education and varied Class C driving license	1

Advanced Diploma Program For Mental Health Nursing Summary

SECTION	Cadre	Proposed Number
Teaching staff	Nursing Officer (Nurse Tutor)	8
	Laboratory Technologist	1
	Medical Officer	1
Sub Total		10
Administrative staff	Principal	1*
	ICT Technician	1
	Assistant Librarian	1
	Health Secretary	1
	Warden	1
	Assistant Accountant	1
	Personal secretary	1
	Laboratory Attendant	1
	Assistant Supplies Officer	1
	Security Guard	4
	Cook	4
	Office Attendant	2
	Driver	2
	Sub Total	20
Total	30	

7.6 Public Health Nurses School (Advance Diploma)

The Ministry of Health own one Public Health Nurse “A” School. The school provides In-service training at the level of Advanced Diploma.

The duration of the course is 2 academic years and the capacity of the school is 30 students. The school is located within the zonal training centre complex and therefore the same staff have additional role of supervising and implementing all activities related to zonal training centres in collaboration with other Health staff outside the school.

A Public Health Nurse is responsible for promoting health, preventing diseases and prolonging life by collaborating with various sectors and by empowering the community to take action for their own health. Criteria for setting numbers are as follows:

- 512 hrs for teaching process
- 30 students each year.
- 1 semester examination for students each semester.
- 280 hrs for fieldwork practice (2nd semester).
- 2 Tests each semester.
- 3 class assignments each semester.

Table 18: Staffing Levels for Advance Diploma in Public Health Nurse Program

Subject	Cadre	Qualification	Proposed number
Public Health Nursing	Nursing Officer (Nurse Tutor)	Bachelor of Science in Nursing or equivalent	2
Epidemiology and Biostatistics	Nursing Officer (Nurse Tutor)	Bachelor of Science in Nursing or equivalent	2
Leadership and management.	Nursing Officer (Nurse Tutor)	Bachelor of Science in Nursing or equivalent	2
Research methodology.	Nursing Officer (Nurse Tutor)	Bachelor of Science in Nursing or equivalent	2* from Epidemiology and Biostatistics
Applied sciences	Nursing Officer (Nurse Tutor)	Bachelor of Science in Nursing or equivalent	1
Developmental studies	Nursing Officer (Nurse Tutor)	Bachelor of Science in Nursing or equivalent	1
Administration	Principal- (Nurse tutor)	Master of Public Health or equivalent	1* one of teaching staff
	Health secretary	Bachelor of public administration in health service management	1
	Warden	Diploma in Social welfare	1
	Assistant Accountant	Diploma in Accountancy	1
	Cook	Trade Test	4
	Assistant Supplies officer	Diploma in supplies management or equivalent	1
	Personal Secretary	Certificate in Secretarial Duties	1
	Assistant Librarian	Diploma in Library Management	1
	Security guard	Certificate Secondary Education and People Militia or National service	3
	Office attendant	Certificate in Secondary School Education	2
Driver	Certificate in Secondary School Education & Valid Driving license class C	1	

Advanced Diploma in Public Health Nursing Summary

Function	Cadre	Proposed Number
Teaching staff.	Tutors (Nursing Officer)	8
Administrative staff	Principal	1*one of the tutors
	Health Secretary	1
	Assistant Librarian	1
	Warden	1
	Assistant Accountant	1
	Personal secretary	1
	Security guard	3
	Cook	4
	Office attendant	2
	Driver	1
	Assistant Supplies Officer	1
Sub total		16
TOTAL		24

7.7 Nursing Education School (Advance Diploma - Tutorship)

Criteria for setting numbers are as follows:

- 25 students
- 168 hrs for teaching and learning process
- 9 hrs teaching per week
- 2 assignments per week per 25 students
- 2 tests per semester for 25 students
- 1 semester examination per 25 students
- 1 counsel session per 25 students per semester
- 2 times progress evaluation per semester
- 2 hours supervision in the wards per week

Table 19: Staffing Level for Advance Diploma in Nursing Education Program (Nurse Tutor)

Module/Section	Cadre	Qualification	Proposed number
Advanced Principles of Nursing	Nursing Officer (Nurse Tutor)	Bachelors degree in Nursing or Equivalent	1
Research Methodology	Nursing Officer (Nurse Tutor)	Bachelors degree in Nursing or Equivalent	1
Development Studies	Nursing Officer (Nurse Tutor)	Bachelor degree in Development Studies or Equivalent	1

Module /Section	Cadre	Qualification	Proposed number
Health Educational Media and Technology	Nursing Officer (Nurse Tutor)	Bachelors degree in Nursing/Health Education or Equivalent	1
Community Health	Nursing Officer (Nurse Tutor)	Bachelors degree in Nursing or Social Science	1
Applied Educational Psychology	Nursing Officer (Nurse Tutor)	Bachelors degree in Nursing/health education or Equivalent	1*from Health Education media and technology
Curriculum Development	Nursing Officer (Nurse Tutor)	Bachelors degree in Nursing/health education, or Equivalent	1 1* from health education media and technology
Leadership and Management	Nursing Officer (Nurse Tutor)	Bachelors degree in Nursing or Equivalent	1
Administration	Principal- (Nurse tutor)	Master of Nursing Education or equivalent	1* one of Teaching staff
	Health secretary	Bachelor of public administration in health service management	1
	Warden	Diploma in Social welfare	1
	Assistant Accounts	Diploma in Accountancy and above	1
	Cook	Certificate in hotel management and above	4
	Assistant Supplies officer	Diploma in supplies management or equivalent	1
	Skills laboratory personnel	Certificate in Secondary Education or above	1
	Personal Secretary	Diploma in Office management	1
	Assistant Librarian	Diploma in Library Management and above	1
	ICT Technician	Diploma in ICT/computer studies and above	1
	Security guard	Certificate Secondary Education and People Militia or National service	4
	Office attendant	Certificate in Secondary School Education	2
	Driver	Certificate in Secondary School Education & Valid Driving license class C	1

Advanced Diploma in Nursing Education Programme Summary

	Cadre	Proposed Number
Teaching staff	Nursing Officer (Nurse Tutor)	6
Administrative staff	Principal	1*one of the teaching staff
	Health Secretary	1
	Warden	1
	ICT Technician	1
	Assistant Librarian	1
	Assistant Accountants	1
	Personal secretary	1
	Skills laboratory assistant	1
	Assistant Supplies	1
	Security guard	4
	Cook	4
	Office attendant	2
Driver	1	
Sub Total		19
	TOTAL	25

7.8 General Nursing School (Diploma, In-Service)

This is a two years distance learning program for In-service students and a one year for conventional. Enrolling registered nurses B with form IV education. The capacity of the respective school is 80 students. Upon completion of the course the students are awarded Diploma in Nursing.

Table 20: Staffing Levels for Diploma in General Nursing (In-Service) Program

Module	Cadre	Qualification	Proposed number
Health Policies and Guidelines	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	1
Pharmacology	Nursing Office	Nurse tutor (BSc or MSc-Nursing)	1* (from HIV and AIDS)
Ethics and Legal Issues in Health Care	Nursing Office	Nurse tutor(BSc or MSc-Nursing)	1*(from Health Policies and Guidelines)
Information Communication Technology	ICT Technician	Diploma in ICT	1
HIV and AIDS	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	1
Leadership and Management	Health Secretary	BPA Health service Management	1* (from administration)
Research	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	2
Biochemistry and Genetics	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	1

Module	Cadre	Qualification	Proposed number
Medical and Surgical Nursing	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	1
Midwifery	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	1
Information Education and Communication	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	1
Entrepreneurship	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	1* from Information Education and Communication)
Epidemiology and Biostatistics	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	2*(from research)
Parasitology and Entomology	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	1*(from Biochemistry and Genetics)
Mental Health Nursing	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	1
Administrative staff	Principal	Nurse tutor (BSc or MSc-Nursing)	1*(one of the tutors)
	Assistant Accountant	Advance Diploma in Accountancy	1
	Health secretary	Bachelor degree in Health System Management	1
	Assistant Supplies	Diploma in material management	1
	Personal Secretary	Diploma in secretarial	1
	Assistant Librarian	Diploma in library management	1
	ICT -Technician	Diploma in ICT	1
	Driver	Certificate in driving (NIT,VETA)	1
	Assistant Supplies Officer	Diploma in Material management	1
	Warden	Diploma in nursing /Social welfare	2 (male & female)
	Cook	Certificate in cookery	1
	Kitchen attendants	Form four	3
	Office attendant	Form four	1
	Security Guard	Form four	4
Skills Laboratory Attendant	Form four	1	

Diploma in General Nursing In-Service Summary

Staff	Cadre	Proposed Number
Teaching staff	Nurse Tutor (BSc-Nursing/Msc-Nursing or BSc in Nursing management)	10
	Assistant ICT- Technician	1*(from supportive staff)
Administrative staff & Supportive staff	Principal	1*(inclusive in nurse tutors)
	Health secretary	1
	Assistant Accountant	1
	Personal Secretary	1
	Assistant Librarian	1
	Assistant Supplies Officer	1
	ICT- Technician	1
	Driver	1
	Warden	2
	Cook	1
	Kitchen Attendant	3
	Skills laboratory Assistant	1
	Security Guard	4
Total		28

7.9 General Nursing School (Diploma, Pre-Service)

The Ministry of Health own General Nursing pre-service schools. This is a 3 years pre-service programme. Enrolling students with form IV education and above. The capacity of the respective schools is 150 students. Upon completion students are awarded Diploma in Nursing.

The training produces highly competent nurses with supervisory leadership skills in promoting quality nursing services, ensuring community participation, collaboration with key stakeholders in reduction of burden of diseases. It provides skills for development of nursing services that are sensitive to social and cultural norms.

Criteria for pre service are as follows:

- 150 teaching and learning hours per semester
- 4 tests per semester
- 60 demonstrations per semester
- 4 assignments per semester
- One end of semester examination
- Number of student 150

Table 21: Staffing Level for Diploma in Nursing Program (Pre-Service)

Module	Cadre	Qualification	Proposed number
Infection, Prevention and Control	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	1
Anatomy and Physiology	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	2
Communication Skills	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	1
Nursing and Ethics	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	2
Basic Computer Applications	ICT- Technician	Diploma in ICT	1*from Administration
Nutrition	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	1*(from nursing & ethics)
Medical and Surgical nursing I	Nursing Officer	Nurse tutors (BSc -N/ BSc in Nursing management/ or MSc-Nursing)	2*from nursing & ethics)
Pharmacology	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	1*(from nursing & ethics))
Information management in nursing	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	1
Emergency care	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	1*(from Information and Management in Nursing)
Midwifery I	Nursing Officer	Nurse tutors (BSc -N/ BSc Management in Nursing / or MSc-Nursing))	2
Child health	Nursing Officer	Nurse tutor (BSc or MSc-Nursing or Pediatric)	1
Health Education and Counseling	Nursing Officer	Nurse tutor (BSc or MSc -Nursing)	2
Community health Nursing I	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	2*(from health education & counseling)
HIV/ AIDS	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	1*
Midwifery II	Nursing Officer	Nurse tutor (BSc or MSc-Nursing & Midwifery)	2*(from Midwifery I)
Management and Leadership I	Health Secretary	BPA Health Service Management	1*from Administrative staff
Mental Health I	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	2
Infection Control	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	1*(from nursing & ethics))
Biochemistry	Nursing Officer	Nurse tutor (BSc or MSc-Nursing)	1

Module	Cadre	Qualification	Proposed number
Medical and Surgical Nursing II	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	2*(from nursing and ethics)
Midwifery III	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	2*(from Midwifery I)
Community health Nursing II	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	1*(from Health Education and Counseling)
Entrepreneurship	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	1*(from biochemistry)
Research, Epidemiology and Biostatistics	Nursing Officer	Nurse tutors (BSc or MSc-Nursing)	2* (from nursing & ethics)
Parasitology and Entomology	Nursing Officer	Nurse tutors(BSc or MSc-Nursing)	1* (from Anatomy and Physiology)
Management and Leadership II	Health Secretary	BPA Health Service Management	2* from administration
Mental Health Nursing II	Nursing Officer	Nurse tutor (BSc or MSc-Nursing/ mental health)	2* (from nursing & ethics))
Administrative staff	Principal	Nurse tutor (BSc or MSc-Nursing)	1*(one of the tutors)
	Assistant Accountant	Advance Dip in Accountancy	1
	Health secretary	BPA in Health Service Management	1
	Assistant Supplies Officer	Diploma in material management	1
	Personal Secretary	Diploma in secretarial	1
	Assistant Librarian	Diploma in library management	2
	ICT -Technician	Diploma in ICT	1
	Driver	Certificate in driving (NIT,VETA)	1
	Warden	Diploma in nursing	2 (male & female)
	Cook	Certificate in cookery	4
	Office attendant	Form four	1
	Skills Laboratory Attendant	Form four	1
		Security Guard	Form four
TOTAL			33

Ordinary Diploma in Nursing-Pre-Service Summary

Staff	Cadre	Proposed Number
Teaching staff	Nursing Officer (nurse tutor)	14
Administrative staff & Supportive staff	Principal	1*(inclusive in nurse tutors)
	Assistant Accountant	1
	Health secretary	1*(inclusive in teaching)
	Personal Secretary	1
	Assistant Librarian	2
	ICT technician	1
	Driver	1
	Assistant Supplies Officer	1
	Warden	2
	Cook	4
	Security Guard	4
	Office attendant	1
	Skills laboratory attendant	1
Sub Total		19
Total		33

7.10 Enrolled Nurse Schools (Certificate)

The Ministry of Health own Basic Nursing both in-service and pre-service schools. This is a 2 years programme enrolling registered nurses B with form IV education. Upon completion of the course the students are awarded Certificate in Nursing.

The general criteria for setting numbers are as follows

- 150 teaching hours per semester
- 4 tests per semester
- 60 demonstrations per semester
- 4 assignments
- 1 end of semester examination

Table 22: Staffing Levels for Enrolled Nurse Certificate Programme

Module	Cadre	Qualification	Proposed Number
Infection, Prevention and Control	Assistant Nursing Officer	Nurse tutors ADNE	1
Anatomy and Physiology	Assistant Nursing Officer	Nurse tutors ADNE	2
Communication Skills	Assistant Nursing Officer	Nurse tutors ADNE	1
Nursing and Ethics	Assistant Nursing Officer	Nurse tutors ADNE	2
Basic Computer Applications	ICT- Technician	Diploma in ICT	1
Nutrition	Assistant Nursing Officer	Nurse tutors ADNE	1
Medical and Surgical nursing I	Assistant Nursing Officer	Nurse tutors ADNE	2*(from Anatomy and Physiology)
Pharmacology	Assistant Nursing Officer	Nurse tutors ADNE	1
Information Management in Nursing	Assistant Nursing Officer	Nurse tutor ADNE	2
Emergency care	Assistant Nursing Officer	Nurse tutor ADNE	1*(from HIV/AIDS)
Midwifery I	Assistant Nursing Officer	Nurse tutors ADNE	2
Child health	Assistant Nursing Officer	Nurse tutor ADNE	1
Health education and counseling	Assistant Nursing Officer	Nurse tutor ADNE	1*(from nutrition)
Community health Nursing I	Assistant Nursing Officer	Nurse tutor ADNE	2* from Information Management in nursing
HIV/AIDS	Assistant Nursing Officer	Nurse tutor ADNE	1
Midwifery II	Assistant Nursing Officer	Nurse tutor ADNE	2*(from Midwifery I)
Management and Leadership I	Assistant Nursing Officer	Nurse tutor ADNE	1
Mental Health I	Assistant Nursing Officer	Nurse tutor ADNE	2
Infection Control	Assistant Nursing Officer	Nurse tutor ADNE	1*from Pharmacology)
Administrative staff	Principal	Nurse tutor	1* one of the tutors
	Assistant Accountant	Diploma in Accountancy	1
	Health secretary	BPA Health Service Management	1
	Supplies Assistant	Certificate in material management	1
	Personal Secretary	Diploma in Secretarial duties	1
	Assistant Librarian	Diploma in library management	1
	ICT -Technician	Diploma in ICT	1* From teaching

Module	Cadre	Qualification	Proposed Number
			staff
	Driver	Certificate in driving (NIT,VETA)	1
	Warden	Diploma in social welfare	2 (male & female)
	Cook	Certificate in Cookery	4
	Office attendant	Form four	1
	Skills laboratory assistant	Form four	1
	Security Guard	Form four	4

Certificate in Nursing Summary

Section	Cadre	Proper Number
Teaching staff	ANO (Nurse tutors	12
	ICT technician	1
Administrative and Supportive Staff	Principal	1*(inclusive in nurse tutors)
	Health secretary	1
	Assistant Accountant	1
	Supplies Assistant	1
	Skills laboratory attendant	1
	Personal Secretary	1
	Assistant Librarian	1
	Driver	1
	Warden	1
	Cook	4
	Security Guard	4
Office attendant	1	
Sub Total		17
Total		30

7.11 Environmental Health Sciences (Diploma)

The Ministry of Health has got 2 Assistant Health Officers training schools that offers Diploma award which is recognised by the NACTE. The total capacity for each Institution ranges from 120 - 135 students. The course duration is 3 years. The general criteria for setting numbers are as follows:

- Average of 60 Contact hours per person for theory
- 60 hours per person for practical
- 2 assessments per semester
- 40 research proposals and project write up developed
- 40 dissertations assessed
- 1 cook per shift for 2 shifts
- 2 kitchen attendant to assist one cook per shift (12)
- 2 Watchmen per shift for 2 shifts

Table 23: Staffing Levels for Diploma in Environmental Health Sciences Program

Module Section	Cadre	Qualification	Proposed Number
Applied physics and chemistry	Environmental Health Officer	BSc in Environmental Health Sciences	1
Behavioral sciences	Sociologist	BSc in Sociology	1
Computer application	ICT Technician	Bachelor Degree in Information Technology	1
Cereals, vegetables, fruits and spices	Nutritionist	BSc Nutrition	1
Food sciences and inspection	Nutritionist	BSc Nutrition	1
Parasitology, Bacteriology, Virology	Health Laboratory scientist	BSc. In Health Laboratory Science	1
Water supply, distribution ,purification and surveillance	Hydrologist	BSc in Hydrology or Water Engineering	1
Solid and liquid waste disposal	Environmental Health Officer	Bachelor in Environmental Health Sciences	1*from water supply
Port health, international disease control ,disposal of the dead	Environmental Health Officer	Bachelor of Science in Environmental Health Sciences	1
Health education and promotion	Environmental Health Officer	BSc in Environmental Health Sciences	1
Communicable and non – communicable diseases	Medical Officer	Doctor of Medicine	1
Vector control	Environmental Health Officer	BSc in Environmental Health Sciences	1.
Epidemiology, Biostatistics, demography, IDSR, disaster and epidemic	Environmental Health Officer	Bachelor in Environmental Health Sciences	1

Module Section	Cadre	Qualification	Proposed Number
control			
Building and housing, Drawing technology, Land survey	Architect	Bachelor in Land survey/ Architect	1
Occupational health, safety and Control of environmental pollution	Occupational Health Officer	Bachelor in Environmental Health Sciences	1
Public health and administration	Environmental Health Officer	Bachelor in Environmental Health Sciences	1
Property inspection	Environmental Health Officer	Bachelor in Environmental Health Sciences	1* Building and housing, Drawing technology, Land survey
Research methodology, Project planning and management	Environmental Health Officer	Bachelor in Environmental Health Sciences	1*from Epidemiology, Biostatistics, Demography, IDSR, disaster and epidemic control
Immunization	Environmental Health Officer	Bachelor in Environmental Health Sciences	1* from Health education and promotion
Anatomy and physiology and first aid	Medical Officer	Doctor of Medicine	1* from communicable and Non Communicable diseases
Administration	Principal	MSc/BSc(Envir. Hlth Sc & Med. Education)	1*one of the tutors
	Accounts Assistant	Diploma in accountancy	1
	Warden	Diploma in social welfare	1
	Cook	Certificate in cookery	2
	Office Attendant	Form IV	2
	Librarian Assist.	Diploma Librarianship	1
	Driver	Form IV with Driving license Class "c"	2
	Kitchen Attendant	Form IV	2
	Security Guard	Form IV with national Service/Military/ Mgambo Training	6
	ICT Technician	Bachelor Degree in ICT	1*from teaching staff
	Supplies assistant	Diploma in material management	1
	Personal secretary	Diploma in secretarial duties	1
	Health Secretary	Degree in Health services Management	1

Diploma in Environmental Health Sciences Summary

Function	Cadre	Proposed Number
Teaching staff	Environmental Health Officer	6
	Medical Doctor	1
	Occupational Health Officer	1
	Architecture	1
	Sociologist	1
	Health Laboratory Scientist	1
	Nutrition Officer	2
	hydrologist	1
	ICT Technician	1
	Assistant Medical Officer	1
	Total	16
Administrative staff	Principal	1*one of the tutors
	Health secretary	1
	Warden	1
	Personal Secretary	1
	Assistant Accountant	1
	Assistant Librarian	1
	Security Guard	6
	Office attendant	2
	Supplies assistant	1
	Cook	2
	Cook Attendant	2
	Driver	2
	Sub Total	20
	TOTAL	36

7.12 Clinical Officer School (Ordinary Diploma in Clinical Medicine)

There are a total of 13 Clinical Officers Schools in the country, 5 of which are owned by the Ministry of Health and Social welfare. Upon completion of the course students acquire the title of “Clinical Officer” and they obtain a Diploma Award. There are two categories of training i.e. In-service and Pre-service Training. The capacity for pre- service schools is 120 – 200. The duration of the course for pre – service training is 3 years. The overall responsibility of clinical officer is to provide health care for the sick, promote health education, and perform administration and community mobilisation functions particularly for those heading Dispensaries.

The general criteria for setting numbers are as follows:

- 120 hours (4 hours per session x 30 sessions)
- 60 hours (30 sessions (x 2 hours each)
- 30 hours (15 sessions x 2 hours each)

- 120 hours (8 groups 1 hour each x15 different types of tutorials- 8x15)
- 72 hours (12 hours x6exams)
- 6 hours (3 assignments x 2 hours each)
- 80 hours (3 assignments, 80 students minimum x 20 minutes each)
- 120 hours (3 assessments, 80 students minimum x 30 minutes each)
- 36 hours (12 hours x 3exams)
- hours (2 hours x3 examinations)

Table 24 Staffing Level for Ordinary Diploma in Clinical Medicine Training Program

Section	Subject	Cadre	Qualification	Proposed Number
Teaching Staff	CMT04101: Communication and Counseling Skills	Assistant Nursing Officer	Advanced Diploma In Nursing Education	1
	CMT04102: Anatomy and Physiology I	Medical Officer	Doctor of Medicine	1
	CMT 04103: Environmental Health	Environmental Health Officer	BSc. Environmental Health	1
	CMT04104: Microbiology, Parasitology and Medical Entomology	Laboratory Scientist	BSc. In Laboratory Science	1
	CMT 04105: Pathology	Medical Officer	Doctor of Medicine	1* from CMT 04102
	CMT 04106: Basic Computer Applications	System Analyst	BSc. in ICT	1
	CMT 04107: Communicable diseases	Medical Officer	Degree in Medicine	1
	CMT04208: Anatomy and Physiology II	Medical Officer	Doctor of Medicine	1*(From CMT 04102)
	CMT 04209: Basic Clinical Laboratory	Laboratory Scientist	BSc. In Laboratory Science	1
Teaching Staff	CMT 04210: Patient Care	Nursing Officer	BSc. In Nursing	1
	CMT04211: Health Policy and Medical Ethics	Medical Officer	Doctor of Medicine	1
	CMT04212: Health Information Management and Financing	Health Secretary	BPA Health Service Management	1*from administration
	CMT04213: Clinical Skills	Medical Officer	Doctor of Medicine	1

Section	Subject	Cadre	Qualification	Proposed Number
Teaching Staff	CMT 05101: Epidemiology and Biostatistics	Medical Officer	MD with Masters in Public Health or Epidemiology	1
	CMT 05102: Internal Medicine I	Medical Officer	Doctor of Medicine	1
	CMT 05103: Paediatrics and Child Health I	Medical Officer	Doctor of Medicine	1
	CMT 05104: Obstetrics and Gynaecology I	Medical Officer	Doctor of Medicine	1
		Medical Officer	Doctor of Medicine	1
	CMT 05105: Health Promotion	Environmental Health Officer	BSC. Environmental Health	1* (From CMT 04103)
	CMT 05106: Nutrition	Nutritionist	Bachelor Degree in Nutrition	1
	CMT 05107: Applied Clinical laboratory	Laboratory Scientist	BSc. In Degree in Health Laboratory Science	1* from (04209)
	CMT 05108: Esentials of Pharmacy	Pharmacist	Degree in Pharmacy	1
	CMT 05109: Surgery	Medical Officer	Degree in medicine	1
	CMT 05210: Internal medicine II	Medical Officer	Doctor of Medicine	2*(from 0502)
	CMT 05211: Paediatrics and Child Health II	Medical Officer	Doctor of in Medicine	1* from (05103)
	CMT 05212: Obstetrics and Gyanaecology II	Medical Officer	Degree in Medicine	1*(From 05104)
	CMT 05213: Counselling	Counsellor	Bachelor Degree in Counselling	1*(from 04101)
Teaching Staff	CMT 05214: Reproductive and Child Health	Nursing officer	Bachelor Degree in Nursing	1
	CMT06101: Advanced Computer Application	ICT Officer	Degree holder in ICT	2*(From Basic Computer application)
	CMT06101: Management	Health Secretary	BPA Health Service Management	1* From in HMIS and Financing

Section	Subject	Cadre	Qualification	Proposed Number
Teaching Staff	CMT06103: Operational Research.	Medical Officer	Doctor of Medicine-MPH	4* (From Epidemiology, Anatomy and physiology , Internal medicine, Pathology, and Surgery)
	CMT06104: Management of HIV& AIDS and TB	Medical Officer	Doctor of Medicine	1
	CMT06105: Surgical specialities	Medical Officer	Doctor of Medicine	1
		Dental Officer	Doctor of Dental Surgery	1
		Medical Officer	Doctor of Medicine	1* (as in Surgery)
		Assistant Medical Officer speciality	Advanced Diploma in Ophthalmology	1
		Assistant Medical Officer speciality	Advanced Diploma in Radiology	1
		Assistant Medical Officer speciality	Advanced Diploma in Anaesthesia	1
		CMT06106: Ethics and professionalism	Medical Officer	Doctor of Medicine
	CMT06207: Entrepreneurship in Health	Health Secretary	BPA Health Service Management	1* From HMIS and Financing
Teaching Staff	CMT06208: Clinical Apprentice in Internal medicine	Medical Officer	Doctor of Medicine	1*From internal medicine above
	CMT06209: Clinical Apprentice in Paediatric and Child Health	Medical Officer	Doctor of Medicine	1*From Pediatrics and child Health Above
	CMT 06210: Clinical Apprentice in Obstetrics and Gynaecology	Medical Officer	Doctor of Medicine	1*From Obstetric and Gynaecology above
	CMT 06211: Clinical Apprentice in Surgery	Medical Officer	Doctor of Medicine	1*From Surgery Above
		Principal	MD-with Medical Education or MPH	1* from teaching staff
	Health Secretary	BPA in Health Service Management	1	

Section	Subject	Cadre	Qualification	Proposed Number
Administrative Staff		Assistant Accountant	Diploma in Accounts	1
		Cook	O'Level certificate plus in cookery	4
		Assistant Supplies Officer	Diploma in procurement and supplies/materials management	1
		Office Management Assistant	Diploma in secretarial course with short hand	1
		Assistant Librarian	Diploma in Library management	1
		ICT Officer	Degree in ICT	1* From in teaching staff
		Driver	O' level certificate plus transport certificate	2
		Security guard	Form IV Certificate in Militia	4
		Office attendant	CSSE	1

Ordinary Diploma in Clinical Medicine summary

Function	Cadre	Proposed Number
	Medical Officers	7
	Medical Officer-MPH	1
	Assistant Medical Officer - Specialties	4
	Nutritionist	1
	Nursing Officer	1
	Assistant Nursing Officer - NE	2
	Assistant Nursing Officer - PHN	1
	Laboratory Scientist	2
	Pharmacist	1
	System Administrator/ICT Staff	1
	Environmental Health Officer	1
	Total teaching staff	23
Administrative staff	Principal	1*(from in CMT epidemiology)
	Health Secretary	1
	Warden	1
	Personal Secretary	1

Function	Cadre	Proposed Number
	Office Management Assistant	1
	Assistant Accountant	1
	Assistant Supplies Officer	1
	Drivers	2
	Trained cook	4
	Office attendant	1
	Skills lab assistant	1
	Librarian	1
	Security guards	4
	Total staff	19
Grand total		42

7.13 Clinical Assistants School (Certificate in Clinical Medicine)

Criteria for setting numbers are as follows:

- 120 hours (4 hours per session x 30 sessions)
- 60 hours (30 sessions (x 2 hours each)
- 60 hours (15 sessions x 2 hours each)
- 36 hours (12 hours x 6 exams)
- 30 hours (15 assignments-2 hours each)
- 400 hours (15 assignments, 80 students minimum x 20 minutes each)
- 6 hours (2hours x 3exams)
- 120 hours (3 assessments, 80 students minimum x 30 minutes each)
- 36 hours (12 hours x 6exams)
- 60 hours (15 minutes x 80 students x 3 exams)

Table 25: Staffing Levels for Certificate in Clinical Medicine Training Programme

Section	Subject	Cadre	Qualification	Proposed Number
Teaching Staff	CMT04101: Communication and Counseling Skills	Assistant Nursing Officer	Advanced Diploma In Nursing Education	1
	CMT04102: Anatomy and Physiology I	Medical Officer	Doctor of Medicine	1
	CMT 04103: Environmental Health	Environmental Health Officer	BSc. Environmental Health	1
	CMT04104: Microbiology, Parasitology and Medical Entomology	Laboratory Scientist	BSc. In Laboratory Science	1

Section	Subject	Cadre	Qualification	Proposed Number
	CMT 04105: Pathology	Medical Officer	Doctor of Medicine	1* from CMT 04102
	CMT 04106: Basic Computer Applications	System Analyst	BSc. in ICT	1
	CMT 04107: Communicable diseases	Medical Officer	Degree in Medicine	1
	CMT04208: Anatomy and Physiology II	Medical Officer	Doctor of Medicine	1*(From CMT 04102)
	CMT 04209: Basic Clinical Laboratory	Laboratory Scientist	BSc. In Laboratory Science	1
	CMT 04210: Patient Care	Nursing Officer	BSc. In Nursing	1
	CMT04211: Health Policy and Medical Ethics	Medical Officer	Doctor of Medicine	1
	CMT04212: Health Information Management and Financing	Health Secretary	BPA Health Service Management	1*from administration
	CMT04213: Clinical Skills	Medical Officer	Doctor of Medicine	1
	CMT 05101: Epidemiology and Biostatistics	Medical Officer	MD with Masters in Public Health or Epidemiology	1
	CMT 05102: Internal Medicine I	Medical Officer	Doctor of Medicine	1
	CMT 05103: Paediatrics and Child Health I	Medical Officer	Doctor of Medicine	1
	CMT 05104: Obstetrics and Gynaecology I	Medical Officer	Doctor of Medicine	1
		Medical Officer	Doctor of Medicine	1
	CMT 05105: Health Promotion	Environmental Health Officer	BSC. Environmental Health	1* (From CMT 04103)
	CMT 05106: Nutrition	Nutritionist	Bachelor Degree in Nutrition	1
	CMT 05107: Applied Clinical laboratory	Laboratory Scientist	BSc. In Degree in Health Laboratory Science	1* from (04209)
	CMT 05108: Essentials of Pharmacy	Pharmacist	Degree in Pharmacy	1
	CMT 05109: Surgery	Medical Officer	Degree in medicine	1

Section	Subject	Cadre	Qualification	Proposed Number
	CMT 05210: Internal medicine II	Medical Officer	Doctor of Medicine	2*(from 0502)
	CMT 05211: Paediatrics and Child Health II	Medical Officer	Doctor of in Medicine	1* from (05103)
	CMT 05212: Obstetrics and Gyanaecology II	Medical Officer	Degree in Medicine	1*(From 05104)
	CMT 05213: Counselling	Counsellor	Bachelor Degree in Counselling	1*(from 04101)
	CMT 05214: Reproductive and Child Health	Nursing officer	Bachelor Degree in Nursing	1
	Advance Computer Application	ICT Officer	Degree holder in ICT	1*(From Basic Computer application)
Administrative Staff	Principal		MD-with Medical Education or MPH	1* from teaching staff
	Health Secretary		BPA in Health Service Management	1
	Assistant Accountant		Diploma in Accounts	1
	Cook		O'Level certificate plus in cookery	4
	Assistant Supplies Officer		Diploma in procurement and supplies/materials management	1
	Office Management Assistant		Diploma in secretarial course with short hand	1
	Assistant Librarian		Diploma in Library management	1
	ICT Officer		Degree in ICT	1
	Driver		O' level certificate plus Driving license class C.	1
	Security guard		Form IV Certificate in Militia	4
	Office attendant		CSSE	1

Summary Certificate in Clinical Medicine

Section	Cadre	Proposed Number
Teaching Staff	Health secretary	1
	Medical Officer	10
	Nursing Officer	2
	Nutritionist	1
	Assistant Nursing Officer	1
	Laboratory scientist	2
	Pharmacist	1
	System Analyst/ICT with BSc in Computer	1
	Environmental Health Officer	1
	Total teaching staff	20
Administrative Staff	Principal	1*from teaching staff
	Warden	1
	Office Management secretary	1
	Records Management assistant	1
	Assistant Accountant	1
	Assistant Supplies Officer	1
	Drivers	2
	Trained cook	6
	Office attendant	2
	Skills laboratory assistant	1
	Assistant Librarian	1
	Security guard	4
	Total staff	21
Grand total	41	

7.14 Environmental Health Sciences School (Advance Diploma, Vector Control)

The Ministry of Health own one Vector Control School. This is an in-service upgrading programme for Assistant Environmental Health Officers. They are on control of vector borne communicable diseases. Upon completion of studies, the school awards Advanced Diploma in Vector Control. The duration of the course is 2 years and the capacity of the school is 20 students.

The general criteria for setting the numbers are as follows:

- Contact hours 320
- 100 demonstrations
- 10 bioassays tests
- 10 susceptibility tests
- 10 indoor residual spray demonstrations
- 1 end of semester examination
- 2 continuous assessments
- 60 Number of students

Table 26: Staffing Levels for Advance Diploma Environmental Health Sciences

Section	Module	Cadre	Qualification	Proposed number
Teaching Staff	1. Biology and ecology of arthropod vectors, Rodents and Freshwater snails	Environmental Health Officer (Vector Control)	MSc in Biology and Control of Disease Vectors	2
	2. Control of arthropod Vectors, rodents, and Fresh water snails	Environmental Health Officer (Vector Control)	MSc in Biology and Control of Disease Vectors	2* from Biology & ecology
		Public health Engineer	BSc Env. Engineering	1
	3. vector borne and related diseases	Environmental Health officer	Master of Public Health	1
	4. Epidemiology	Epidemiologist	Master of Public Health/Msc Epidem.	1
	5. Biostatistics I (Descriptive)	Statistician/Epidemiologist	BSc in Medical Statistics/ Epidemiology	1
	6. Biostatistics II (Analytical)	Statistician	BSc in Medical Statistics	1* from Biostatistics I
	7. Computer Applications	Degree in ICT	Bachelor Degree in ICT	1
	8. Demography	Environmental Health Officer	MSc in Epidemiology /Public Health	1* from Epidemiology
	9. Research Methodology I	Environmental Health Officer	Bachelor in Environmental Health with Masters in Public Health or Epidemiology	2* from among the tutors
	10. Research Methodology II	Environmental Health Officer	MSc. Environmental Health or related disciplines	5* among teaching staff
	11. Research Methodology III	Environmental Health Officer	BSc Environmental Health or related subjects	6* from among the tutors
	12. Management	Health Secretary	BSc in Health Systems Management	1
	13. Health education/ Promotion	Environmental Health Officer	MSc in Health Education or Promotion	1
Administrative Staff	Primary health care	Environmental Health Officer	MSc in Health Education /Promotion	1* from no. 13
		Principal	MSc in Biology and Management Skills	1* from teaching staff
		Warden	Diploma in Social Welfare	1
		Accounts Assistant	Diploma in Accounts	1
	Cook	Certificate	4	

Section	Module	Cadre	Qualification	Proposed number
		Supplies Assistant	Diploma in materials Management	1
		P/Secretary	Certificate in Secretarial	1
		Assistant Librarian	Diploma in Library Management	1
		ICT Technician	Bachelor in IT	1* from teaching staff
		Driver	Driving license class C VETA Certificate	1
		Office attendant	Form IV	2
		Security guards	Form IV with Military certificate (Mgambo or JKT)	4

Summary For Advanced Diploma In Environmental Sciences (Vector Control)

Function	Cadre	Required
Teaching Staff	Environmental Health Officer (vector control)	4
	Environmental Health Officer (Public health / epidemiology)	2
	Public Health Engineer	1
	Environmental Health Officer (Health education and promotion)	1
	Statistician	1
	Sub Total	9
Administrative	Principal	1* inclusive in teaching
	Health Secretary	1* inclusive in teaching
	System Administrator	1* inclusive in teaching
	Warden	1
	Assistant Accountant	1
	Supplies Assistant	1
	Assistant Librarian	1
	Personal Secretary	1
	Cook	4
	Driver	1
	Security Guards	4
	Office Attendant	2
	Personal Secretary	1
Sub Total	17	
TOTAL	26	

7.15 Assistant Medical Officers School (Advance Diploma)

There are 7 Assistant Medical Officers Schools in the Country. The Ministry of Health and Social Welfare owns 5 AMO schools with the total capacity of 315 for all 5 schools. The students are awarded Advanced Diploma in clinical medicine and the duration of the course is 2 years. The general criteria for setting numbers are as follows:

- 112 hours (28 sessions x4 hours for preparation).
- 56 hours (28 sessions x 2 hours)
- 34 hours(40 minutes x 50 students / 60 hours)
- 16 hours (2 hours x 8 weeks)
- 24 hours (1.5 hours for plan, demonstration & supervision x 2x 8 weeks)
- 8 hours for presentation
- 62 hours (Facilitating 50 practical exams and 12 theory exams).
- 96 hours (24 hours x 4 groups)
- 12 hours (3 hours x 4 groups)
- 34 hours (40 minutes each paper x 50papers / 60 hours)
- 8 hours (2 hours x 4 rotations)

Table 27: Staffing Levels for Advance Diploma in Clinical Medicine (AMO) Training Program

Module/Subjects	Cadre	Qualification	Proposed number
Introduction to clinical Medicine	Specialist Medical Officer	Mmed Internal Medicine/ MD	2
Introduction to clinical medicine surgery	Specialist Medical Officer	Mmed Surgery/MD	2
Introduction to clinical medicine Pediatrics and child health	Specialist Medical Officer	MDed Paediatrics/ Md	2
Introduction to clinical medicine Obstetrics & Gynecology	Specialist Medical Officer	Mmed Obsy/ Gyne	2
Clinical Rotation Internal Medicine	Specialist Medical Officer	Mmed Internal Medicine/ MD	2*(from clinical medicine)
Clinical Rotation Surgery	Specialist Medical Officer	Mmed Surgery/ MD	2 * from introduction to Surgery)
Clinical Rotation Pediatrics and child health	Specialist Medical Officer	Mmed Paediatrics/MD	2 *(from introduction to Pediatrics and child health)
Clinical Rotation Obstetrics & Gynecology	Specialist Medical Officer	Mmed Obsy/Gyne/MD	2 *(from Introduction to clinical medicine Obstetrics & Gynaecology)
Community medicine	Public Health Specialist	Medical Doctor with MPH	2
	Environmental Health Officer	Bsc. Environmental Health Science	2
Obstetrics/ Gynecology	Obstetrician/Gynecologist	Mmed/MD	4* (from Obstetrics/ Gynaecology)
Surgery	Surgeon	Mmed/MD	2* (from surgery)

Module/Subjects	Cadre	Qualification	Proposed number
Pediatrics and Child Health	Pediatrician	Mmed/MD	3* (from Pediatrics And child Health)
Internal Medicine	Physician	Mmed/MD	1* (from Internal Medicine)
Administration	Principal	MPH/ or MMED/Medical Education	1*(one of the Tutors)
	Health secretary	Bachelor of public Administration in health service management	1* from teaching staff
	Warden	Diploma in Social welfare	1
	Assistant Accountant	Diploma in Accounts	1
	Cook	O'Level plus certificate in cookery	4
	Assistant Supplies officer	Diploma in procurement and supplies	1
	Personal Secretary	Diploma in secretarial course with short hand	1
	Assistant Librarian	Diploma in Library Management	2
	ICT Technician	Diploma in IT Management	1
	Driver	O'level certificate plus transport certificate.	1
Security Guard	Certificate in O'level plus certificate in guarding.	2	

Summary Staffing Levels for Advance Diploma in Clinical Medicine

Service	Cadre	Proposed Number
Teaching staff	Principal	1
	Surgeon/MO	2
	Obstetrician/ Gynecologist/ MO	2
	Pediatrician/MO	2
	Physician/MO	2
	Public health specialist	2
	Environmental Health Officer	2
Sub Total		13
	Principal	1*part of teaching staff
	Warden	1
	Office Management secretary	1
	Assistant Accountant	1
	Personal Secretary	1

Service	Cadre	Proposed Number
	Supplies Assistants	1
	Drivers	1
	Cooks	4
	Office attendant	1
	Assistant Librarian	2
	Security Guard	2
	ICT Technician	1
Sub Total		16
TOTAL		29

7.16 Medical Laboratory Technology School (Certificate)

The Ministry of Health own 1 Laboratory assistant school with the capacity of 80 students. The duration of the course is 2 academic years and Awards certificate.

- The following are general criteria for setting numbers:
- 30 Teaching hours per semester
- 15 Hours per semester on conducting Tutorial
- 45 hours per semester on practical demonstration
- 30 hours per semester on providing assignments
- 12 hours per semester on evaluating students

Table 28: Staffing Levels for Certificate in Medical Laboratory Technology Program

Module/section	Cadre	Qualification	Proposed Number
MLT04101 - Basic Laboratory Instrumentation	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2
MLT04102 - Elementary Structure and Functions of Human Body	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1
MLT04103 - Laboratory Safety and Waste Management	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2
MLT04104 - Customer Care and Communication Skills	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1
MLT04105 - Professional Ethics	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT04104
MLT04106 - Prevention and Control of Diseases Transmission	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2

Module/section	Cadre	Qualification	Proposed Number
MLT04207 - Basic Laboratory Investigation	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2
MLT04208 - Basic Laboratory Specimen Management	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04103
MLT04209 - Basic Computer Skills and Information Management	ICT Technician	DP ICT	1
MLT04210 - Occurrence Management and Record Keeping	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT04203
MLT04211 - Preparation and Storage of Basic Laboratory Reagents and Solutions	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2
MLT 05101 - Laboratory Ethics and Professionalism	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT04104
MLT 05102 - Laboratory Specimen Collection and Transportation	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04103
MLT 05103 - Collection of Non Routine Specimens for Laboratory Diagnosis	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04103
MLT 05104 - Blood Donation and Testing	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1
MLT 05105 - Blood Disorders and Testing	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT 05104
MLT 05106 - Microbiological and Immunological Investigations	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04207
MLT 05107 - Human Disorders and Biochemical Tests	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT 04102
MLT 05108 - Parasites of Medical Importance	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04106

Module/section	Cadre	Qualification	Proposed Number
MLT 05109 - Introduction to Histological and Cytological Techniques	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT 04102
MLT 05110 - Application of Computer in Health Laboratory	ICT Technician	DP ICT	1* from MLT04209
MLT 05211 - Quality Assessment of Laboratory Services	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04211
MLT 05212 Maintenance of Laboratory Supplies	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04101
MLT 05213 - Calibration of Laboratory Equipment and Instrument	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04101
MLT 05214 - Planned Preventive Maintenance of Laboratory	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04101
MLT 05215 - Field Attachment	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* among tutors
Administration	Principal	Laboratory Scientist	1* one of the tutors
	Health secretary	Degree in Health Management	1
	Assistant accountant	Cert in acc.	1
	Assistant Supplies officer	Cert in Procurement	1
	Cook	Cert in cookery	1
	Kitchen Attendant	Form IV	4
	Personal Secretary	Diploma Secretarial duties	1
	Warden	Form IV	1
	Records Management Assistant	Diploma	1
	Assistant Librarian	Diploma Librarianship	1
	Assistant Laboratory Technician	Certificate	1
	Driver	Form IV & driving license	2
Security Guard	Militia training	4	

Summary Certificate in Medical Laboratory Technology Program

Category	Cadre	Proposed Number
Teaching Staff	Laboratory Scientist	13
	Assistant Laboratory Technician	1
	ICT Technician	1
	Assistant Librarian	1
	Health secretary	1*From administration
	Sub - Total Teaching Staff	17
Administration	Principal	1* From teaching Staff
	Health secretary	1
	Records Management Assistant	1
	Warden	1
	Personal Secretary	1
	Assistant accountant	1
	Assistant Supplies officer	1
	Cook	1
	Kitchen Attendant	4
	Driver	2
	Security Guard	4
	Sub - Total Administration Staff	16
Total		33

7.17 Medical Laboratory Programme (Ordinary Diploma)

Purpose of the Program

This Program is meant to provide Medical Laboratory Sciences knowledge, skills and appropriate attitudes to students. All modules are fundamental and are intended to build students' knowledge and skills necessary for acquiring competences for the practice of Medical Laboratory Sciences; install motivation for life-long learning and good foundation for progress studies in Medical Laboratory Sciences.

Duration of the programme is three years divided into three Levels of National Technical Awards (NTA levels 4, 5 and 6) . Each level has a total of 34 academic weeks, which are divided in two semesters. Each semester consists of fifteen (15) weeks set aside for theoretical, practical training and two weeks for end semester examination.

Table 29: Staffing Levels for Diploma in Medical Laboratory Program

Module/section	Cadre	Qualification	Proposed Number
MLT04101 - Basic Laboratory Instrumentation			
MLT04102 - Elementary Structure and Functions of Human Body	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2
MLT04103 - Laboratory Safety and Waste Management			
MLT04104 - Customer Care and Communication Skills	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1 1* from MLT04104
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	
MLT04105 - Professional Ethics			
MLT04106 - Prevention and Control of Diseases Transmission	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2
MLT04207 - Basic Laboratory Investigation			
MLT04208 - Basic Laboratory Specimen Management MLT04209 - Basic Computer Skills and Information Management	Laboratory Scientist	Laboratory Sciences	2* from MLT04103 1
	ICT Technician	DP ICT	
MLT04210 - Occurrence Management and Record Keeping	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT04203
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2
MLT04211 - Preparation and Storage of Basic Laboratory Reagents and Solutions			
MLT 05101 - Laboratory Ethics and Professionalism	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT04104
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04103
MLT 05102 - Laboratory Specimen Collection and Transportation			
MLT 05103 - Collection of Non Routine Specimens for Laboratory Diagnosis	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04103
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1
MLT 05104 - Blood Donation and Testing			
MLT 05105 - Blood Disorders and Testing	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT 05104

Module/section	Cadre	Qualification	Proposed Number
MLT 05106 - Microbiological and Immunological Investigations	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04207
MLT 05107 - Human Disorders and Biochemical Tests	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT 04102
MLT 05108 - Parasites of Medical Importance	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04106
MLT 05109 - Introduction to Histological and Cytological Techniques	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT 04102
MLT 05110 - Application of Computer in Health Laboratory	ICT Technician	DP ICT	1* from MLT04209
MLT 05211 - Quality Assessment of Laboratory Services	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04211
MLT 05212 Maintenance of Laboratory Supplies	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04101
MLT 05213 - Calibration of Laboratory Equipment and Instrument	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04101
MLT 05214 - Planned Preventive Maintenance of Laboratory	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04101 2* among tutors
MLT 05215 - Field Attachment	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	
MLT04102 - Elementary Structure and Functions of Human Body	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1
MLT04103 - Laboratory Safety and Waste Management	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2
MLT04104 - Customer Care and Communication Skills	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1
MLT04105 - Professional Ethics	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT04104
MLT04106 - Prevention and Control of Diseases	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2

Module/section	Cadre	Qualification	Proposed Number
Transmission MLT04207 - Basic Laboratory Investigation	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2
MLT04208 - Basic Laboratory Specimen Management MLT04209 - Basic Computer Skills and Information Management	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04103
	ICT Technician	DP ICT	1
MLT04210 - Occurrence Management and Record Keeping MLT04211 - Preparation and Storage of Basic Laboratory Reagents and Solutions	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT04203
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2
MLT 05101 - Laboratory Ethics and Professionalism MLT 05102 - Laboratory Specimen Collection and Transportation	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT04104 2* from MLT04103
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	
MLT 05103 - Collection of Non Routine Specimens for Laboratory Diagnosis	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04103
MLT 05104 - Blood Donation and Testing MLT 05105 - Blood Disorders and Testing	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT 05104
MLT 05106 - Microbiological and Immunological Investigations MLT 05107 - Human Disorders and Biochemical Tests	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04207
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	1* from MLT 04102
MLT 05108 - Parasites of Medical Importance MLT 05109 - Introduction to Histological and Cytological Techniques	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	2* from MLT04106 1* from MLT 04102
	Laboratory Scientist	Bachelor Degree in Laboratory Sciences	
MLT 05110 - Application of Computer in Health Laboratory	ICT Technician	DP ICT	1* from MLT04209
	Medical Laboratory Technologist	ADMLT	
Level VI			

Module/section	Cadre	Qualification	Proposed Number
MLT 06101 - Diagnostic Pathology	Health Laboratory Scientist	BSc Medical Laboratory Sciences	4* Each from MLT 05106; MLT 05104; MLT 05107; MLT 05108; MLT05109
	Health Laboratory Scientist	BSc Medical Laboratory Sciences	
MLT 06102 - Laboratory Diagnostic Cytology	Laboratory Scientist	BSc Medical Laboratory Sciences	2* from MLT 05109 and MLT 05107
	Medical Laboratory Technologist	ADMLT	
MLT 06103 - Preparation of Laboratory Stains and Solution	Laboratory Scientist	BSc Medical Laboratory Sciences	2* from MLT04211
	Medical Laboratory Technologist	ADMLT	
MLT 06104 - Laboratory Reagents and Culture Media Preparation	Laboratory Scientist	BSc Medical Laboratory Sciences	2* from MLT 04211 and MLT05106
	Medical Laboratory Technologist	ADMLT	
MLT 06105 - Preparation of Laboratory Biological Products	Laboratory Scientist	BSc Medical Laboratory Sciences	4* Each from MLT05106; MLT 05104; MLT 05107; MLT05108; MLT05109
	Medical Laboratory Technologist	ADMLT	
MLT 06106 - Laboratory Information Management	Laboratory Scientist	BSc Medical Laboratory Sciences	1
	Medical Laboratory Technologist	ADMLT	1
MLT 06107 - Laboratory Quality System Management	Laboratory Scientist	BSc Medical Laboratory Sciences	2* from MLT05211
	Medical Laboratory Technologist	ADMLT	
MLT 06208 - Laboratory Management and Leadership	Laboratory Scientist	BSc Medical Laboratory Sciences	2* from MLT05211 1
	Medical Laboratory Technologist	ADMLT	
MLT 06209 - Laboratory Bio-safety and Bio-security	Laboratory Scientist	BSc Medical Laboratory Sciences	2* from MLT05211
	Medical Laboratory Technologist	ADMLT	
MLT 06210 - Laboratory Public Health Education	Laboratory Scientist	BSc Medical Laboratory Sciences	1* from MLT04104
	Medical Laboratory Technologist	ADMLT	
MLT 06211 - Health Economics and Entrepreneurship	Laboratory Scientist	BSc Medical Laboratory Sciences	1* from MLT05212
	Medical Laboratory Technologist	ADMLT	
MLT 06212 - Lab Ethics and Professional Code of Conduct	Laboratory Scientist	BSc Medical Laboratory Sciences	2* from MLT04105 and MLT 05101
	Medical Laboratory Technologist	ADMLT	

Module/section	Cadre	Qualification	Proposed Number
MLT 06213 - Field Work Practices	Medical Laboratory Technologist	ADMLT	All tutors
Administration	Principal	BSc/MSc in MLS with MPH or Master in Medical Education	1*one of the tutors
	Health secretary	BPA in Health Service Management	1
	Accounts Assistant	Certificate in accounts	1
	Assistant Supplies officer	Diploma in Procurement	1
	Records Management Assistant	Certificate Record management system	1
	Cook	Certificate in cookery	4
	Personal Secretary	Certificate in Office Management	1
	Assistant Librarian	Diploma	1
	Security Guard	Form IV with security guard training	4
	Laboratory Assistant	Certificate in Medical Laboratory technology	1
	Warden	Diploma	1
	Driver	Competent with Class 'C' license	2

Summary Diploma in Medical Laboratory Programme

Functions	Cadre	Proposed Number
Teaching Staff	Medical Laboratory Scientist	25
	Laboratory Assistant	1
	Assistant Librarian	1
	Health secretary	1*From Administration
	ICT Technician	2
	Total Teaching Staff	30
Administration	Principal	1*From Medical Laboratory Scientist Above
	Health secretary	1
	Records Management Assistant	1
	Personal Secretary	1
	Accounts Assistant	1
	Assistant Supplies officer	1

Functions	Cadre	Proposed Number
	Warden	1
	Cook	4
	Driver	2
	Security Guard	4
	Total Administration	15
Total		45

7.18 Orthopaedic Technologist School (TATCOT, Diploma and Certificate)

The Ministry of Health own one Orthopaedic Technologist School. The school train students from in and outside Africa. The school awards University Advanced Diploma. The capacity of the school is 45 students for Advanced Diploma and 24 students for Certificate. The Advanced Diploma course lasts for 3 years and 1 year for Certificate. The general criteria for setting numbers are as follows:

- Prosthetist/Orthotist - Number of subjects which are 9 for 1st year, 8 for 2nd year and 6 for 3rd year (i.e. Advanced Diploma)
- Certificate on lower limb prosthetics 10 subjects and certificate in wheel chair technology 7 subjects. In this case 1 tutor will teach 2 sessions per day and 1 will coordinate certificates programmes
- There are 27 teaching sessions per day for advanced Diploma and 18 for certificates
- Office Attendant Nature of the Orthopaedic teaching materials needs a lot of attendants to operate smoothly and others will be attached to the hosted
- Health Secretary TATCOT is a big centre dealing with foreign students with Donor support projects requiring good administrator
- Number of Subjects 1st year 9, 2nd year 8, 3rd year 6, certificate on lower limb 10 and certificate in wheel chair 7 subjects

The proposed staffing for the school is as follows:

Table 30: Staffing Levels for Advance Diploma and Certificate in Orthopedic (TATCOT) Programme

Module /Section	Cadre	Qualification	Proposed Number
Anatomy & Physiology I	Prosthetist/Orthotist	BSc in Prosthetics & Orthotics or equivalent	1
Anatomy & Physiology II	Prosthetic/Orthotic	BSc in Prosthetics& Orthotics or equivalent	1*(from for Anatomy& Physiology I above)
Anatomy & Physiology III	Prosthetist/Orthotist	BSc in Prosthetics & Orthotics or equivalent	1
Anatomy & Physiology IV	Prosthetist/Orthotist	BSc in Prosthetics& Orthotics or equivalent	1*(same as for Anatomy&Phyiology III above)
Functional Anatomy I	Prosthetic/Orthotic	BSc in Prosthetics& Orthotics or equivalent	1*(same as for Anatomy&Phyiology III above)
Functional	Prosthetic/Orthotic	BSc in Prosthetics& Orthotics or	1*(same as for

Module /Section	Cadre	Qualification	Proposed Number
Anatomy II		equivalent	Anatomy&Physiology III above)
Technology I	Orthopaedic -Engineer	BSc in Prosthetics Orthotics	1
	Orthop-Technologist	Dip in Orthopedic Technology	1
Technology II	Orthopaedic -Engineer	BSc in Prosthetics& Orthotics	1*(from for Technology I)
	Orthop-Technologist	Diploma in Orthopedic Technology	1*(from for Technology 1)
Technology III	Orthopaedic -Engineer	BSc in Prosthetics Orthotics	1*(from for Technology I)
	Orthop-Technologist	Diploma in Orthopedic Technology	1*(from for Technology I)
Technology IV	Orthopaedic -Engineer	BSc in Prosthetics & Orthotics	1*(from for Technology I above)
	Orthopaedic Technologist	Diploma in Orthopedic Technology	1*(from for Technology I above)
Biomechanics I	Orthopaedic -Engineer	B.Sc. in Prosthetics& Orthotics	1
	Orthopaedic Technologist	Diploma in Orthopedic Technology (DOT)	1
Biomechanics II	Orthopaedic -Engineer	BSc in Prosthetics &Orthotics	1*(from for Biomec 1)
	Orthopaedic Technologist (DOT)	Diploma in Orthopedic Technology	1*(from for Biomec 1)
Biomechanics III	Prosthetist- Orthotist	BSc. in Prosthetics & Orthotics	1
	Orthopaedic Technologist (DOT)	BSc. In Prosthetics & Orthotics	1
Biomechanics IV	Prosthetist- Orthotist	BSc in Prosthetics Orthotics	1
	Orthopedic Technologist (DOT)	Diploma in Orthopedic Technology	1
Biomechanics V	Orthopedic-Engineer	BSc. Prosthetics &Orthotics	1
	Orthopedic Technologist	Diploma in Orthopedic Technology	1*(from for Biomec IV above)
Biomechanics VI	Orthopedic-Engineer	BSc Prosthetics &Orthotics	1*(from for Biomec IV above)
	Orthopedic Technologist (DOT)	Diploma in Orthopedic Technology	1*(from for Biomec IV above)
Mechanics I	Tutor	BSc in Mechanics or equivalent	1
Mechanics II	Tutor	BSc in Mechanics or equivalent	1*(from for Mech. 1 above)
Mechanics III	Tutor	BSc in Mechanics or equivalent	1*(from for Mech. 1 above)
Mechanics IV	Tutor	BSc in Mechanics or equivalent	1*(from for Mech I above)
Mathematics I	Tutor	BSc in Mathematics	1
Mathematics II	Tutor	BSc in Mathematics	1*(from for Math I above)
Mathematics III	Tutor	BSc in Mathematics	1

Module /Section	Cadre	Qualification	Proposed Number
Mathematics IV	Tutor	BSc in Mathematics	1*(from for Maths III above)
Technical Drawing I	Tutor	BSc in Eng. Design	1
Technical Drawing II	Tutor	BSc in Eng. Design	1*(from for Techn. Drawing I above)
General Health Education	Health Educator	BSc in Medical, Nursing or other allied	1
Pathology I	Medical Officer	MD	1
Pathology II	Medical Officer	MD	1*(from for Pathology I above)
Pathology III	Medical Officer	MD	1*(from for Pathology I above)
Pathology IV	Medical Officer	MD	1*(from for Pathology I above)
Clinics I	Med. Officer	MMed Orthopedic	1
	Prosthetist-Orthotist	BSc in Prosthetics and Orthotics	1
Clinics II	Med. Officer	MMed. Orthop	1*from Clinics I above)
	Prosthetist-Orthotist	BSc in Prosthetics and Orthotics	1*from Clinics I above)
Workshop Management I	Prosthetist&Orthotist	Diploma in Orthopedic Technology	1
W/Management II	Prosthetist&Orthotist	Diploma in Orthopedic Technology	1*(from for W/Management I above)
General Mechanical Skills I	Prosthetist&Orthotist	BSc in Prosthetics& Orthotics	1
	Ortho-Technologist	Diploma in Orthopedic Technology	1*(from for W/Management I above)
General Mechanical Skills II	Prosthetist&Orthotist	Bsc Prosthetist&Orthotist	1*(from for General Mechanical Skill I above)
	Ortho-Technologist	Diploma in Orthopedic Technology	1*(from for General Mechanical Skills I above)
Mechanical Operations I	Prosthetist&Orthotist Engineer	BSc in Prosthetics Orthotics	1
	Orthopaedic Technologist	Diploma in Orthopedic Techno	1*(from for General Mechanical Skills I above)
Mechanical Operations II	Prosthetist & Orthotist Engineer	BSc in Prosthetics Orthotics	1*(from for Mechanical Operation I above)

Module /Section	Cadre	Qualification	Proposed Number
	Orthopaedic Technologist	Diploma in Prosthetics Orthotics	1*(from for Mechanical Operation I above)
Clinical Practice I	Prosthetist & Orthotist Engineer	BSc and above Prosthetist & Orthotist	1
	Orthopaedic Technologist	Diploma in Orthopedic Technology	1*from for Mechanical operation I
Clinical Practice II	Prosthetist&Orthotist Engineer	BSc in Prosthetics &Orthotics	1*(from for Clinical Practice I above)
	Orth-Technologist	Diploma in Orthopedic Technology	1*(from for Clinical Practice I above)
ICT	ICT Technician	Bachelor Degree in ICT	1
Administration	Principal	BSc in Physiotherapy & Orthopedic Technology and MSc in Medical Education	1*(One of the tutors)
	Health Secretary	BPA In Health service Management	1
	Accounts Assistant	Diploma in accounts	1
	Supplies Assistant	Diploma in procurement and supplies	1
	Personal Secretary	Diploma in secretarial education	1
	Assistant Librarian	Certificate in librarian education	1
	Typist	Certificate in secretarial education	1
	Assistant Technician	Certificate in technical education	1
	Office attendant	Form four leavers with on job training in the related field	4
	Driver	Form four with Class C driving license	1
	Security Guards	Basic militia training	4
	IT Technician	Diploma in ICT	1*(from Teaching Staff)

Summary Advanced Diploma and Certificate in Orthopaedic

Function	Cadre	Proposed Number
Teaching staff	Prosthetist & Orthotist	9
	Orthopedic Engineers	3
	Orthopedic Technologist	4
	Tutor Mechanics	1
	Tutor Mathematics	1
	Tutor Engineering Design	1
	Health Educator	1
	Medical Officer	2
	ITC Technician	1
	Sub Total	23
Administrative staff	Principal	1* (also in the teaching staff list)
	Health Secretary	1
	Accounts Assistant	1
	Supplies Assistant	1
	Personal Secretary	1
	Assistant Librarian	1
	Typist	1
	Assistant Technician	1
	Office attend	4
	Driver	1
	Security Guards	4
	Sub total	16
Grand Total	39	

7.19 Optometry School (Diploma)

The Ministry of Health own one Optometry school. The school provides training leading to Diploma award. The duration of the course is 3 academic years. The capacity of the school is 30 students.

The general criteria for setting numbers are as follows:

- There are 6 sessions for 1st year, 6 sessions for 2nd year and 6 sessions for 3rd year. Each tutor is supposed to teach at least 4 hours per day. Therefore the principal will teach 4 hours for 2 sessions and the tutors with 6 sessions involving 12 teaching hours
- Number of subjects 1st year 6, 2nd year 6, 3rd year 7
- 30 students class capacity
- 250 teach hours / semester
- 50 cases/semester
- 35 rotation/semester
- 2 tests/semester

- 10 clinical Presentation/semester
- 4 outreach/semester
- 1 examination/semester

The proposed staffing is as follows:

Table 31: Staffing Levels for Diploma in Optometry Training Programme

Module title	Profession	Qualification	Proposed Number
OPT05101: Basic Science of BV 1 (BV 1)	Optometrist	BSc. Optometry	1
OPT05102: Physiological Optics 1(PO 1)	Optometrist	BSc. Optometry	1
OPT05103: Ocular Anatomy &Physiology 1 (OAP 1)	Optometrist	BSc. Optometry	1
OPT05104: Community Optometry (Comm. O)	Optometrist	BSc. Optometry	1
OPT05105: Occupational & Environmental Optometry (OEO)	Optometrist	BSc. Optometry	1
OPT05106: Biostatistics &Epidemiology (BE)	Optometrist	BSc. Optometry	1
Ophthalmology	Ophthalmologist	BSc Ophthalmology	1
OPT05107: Maintenance of Ophthalmic Instruments	Ophthalmic Equipment Technician	Diploma in Ophthalmic Equipment Technology	1
OPT05208: Basic science of Binocular Vision II (BV II)	Optometrist	BSc. Optometry	1*From OPT05101 above
OPT05209: Physiological Optics II (PO II)	Optometrist	BSc. Optometry	1*From OPT05102 above
OPT05210: Ocular Anatomy &Physiology (OAP II)	Optometrist	BSc. Optometry	1*From OPT05103 Above
OPT05211: Clinical Optometry & Ocular Pharmacology (CO&OPharm.)	Optometrist	BSc. Optometry	1
OPT06101: Diagnosis and Management of Ocular Diseases 1(DMOD 1)	Optometrist	BSc. Optometry	1
OPT06102: Paediatric Optometry (Paed.Optom)	Optometrist	BSc. Optometry	1
OPT06103:	Optometrist	BSc. Optometry	1*From

Module title	Profession	Qualification	Proposed Number
Introduction to Research			OPT06206
OPT06104: Entrepreneurship & Management (Intrep&Pract management)	Health Secretary	Degree in Health Service Management	1*From Administration
OPT06105: Maintenance of Ophthalmic Instruments (MOI)	Optometrist	BSc. Optometry	1*From OPT05107 Above
OPT06206: Clinical optometry 2 (CO 2)	Optometrist	BSc. Optometry	1*From OPT05211 Above
OPT06207: Low Vision (L/V)	Optometrist	BSc. Optometry	1
OPT06208: Diagnosis and Management of Ocular Diseases 2(DMOD 2)	Optometrist	BSc. Optometry	1* From OPT06101 Above
OPT06209: Basic Contact Lenses	Optometrist	BSc. Optometry	1
Administration	Principal	BSc.Optometry (with Masters in Medical Education).	1*(One of the tutors)
	Health Secretary	BPA Health Service Management	1
	Warden	Dip in Nursing	1
	Personal secretary	CSEE Cert.with Diploma In secretarial	1
	Accounts Assistant	Dip in Accounts	1
	Cook	Form IV with Training in cookery	3
	Supplies Assistant	Dip. in Materials Management	1
	Assistant Librarian	Dip. In Library services	1
	System Analyst/ ICT Technician	BSc in Computer/ Diploma in ICT	1
	Office Attendant	CSEE Cert.	1
	Driver	CSEE cert. with NVTC education and class C driving license	1
	Security guard	CSEE cert. with peoples militia/NS	3

Summary for the Ordinary Diploma in Optometry Training Program

Function	Profession	Number
Teaching Staff	Optometrist	11
	ophthalmologists	1
	Health Secretary	1*From Administration
	Ophthalmic Equipment Technician	1
	Total Teaching Staff	13
Administration	Principal	1* From the Teaching staff
	Health Secretary	1
	Warden	1
	Personal secretary	1
	Accounts Assistant	1
	Cook	3
	Supplies Assistant	1
	Assistant Librarian	1
	System Analyst/ICT Technician	1
	Office Attendant	1
	Driver	1
	Security guard	3
Total administration	15	
Total	28	

7.20 Physiotherapy School (Diploma)

The Ministry of Health and Social Welfare own one Physiotherapy school. The school provides training, which leads to Diploma award. The duration of the course is 3 academic years. The capacity of the school is 60 (20 students per class).

The following are the general criteria for setting numbers:

- 45 students/ teacher
- 50 Theory class sessions
- 20 Practical class sessions
- 8 Theory exams
- 8 Practical exams
- 8 Assignment
- 8 Exam marking sessions