



# Kenya Medical Training College

## Department of Medical Imaging Sciences

### About Medical Imaging Sciences

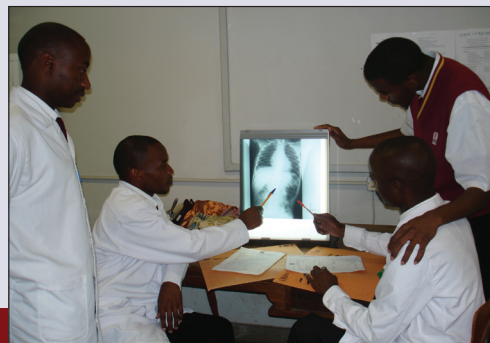
Formerly known as the department of Radiography, Medical Imaging Sciences department trains Medical Imaging Technologists.

### Mission

To produce through education and training highly competent medical imaging technologists in response to the needs of the community and other stakeholders within the country and beyond.

### Vision

We aspire to become a centre of excellence in the region for educating, producing and developing highly competent Medical Imaging Technologists.



## Goal

Train, educate and produce medical imaging technologists capable of performing all imaging and therapeutic procedures.

## Courses offered

### Diploma in Medical Imaging Sciences

Campus: KMTTC Nairobi.

### Duration

3 years divided into 2 semesters and delivered in mandatory modular curriculum structure.

### Entry requirements

- At least 12 years of formal education and must attain the age of 18 at next birthday.
- Aggregate (C plain). C (plain) in: English or Kiswahili, Physics, Biology and C- in either Maths or Chemistry.

## Higher diploma in Medical Imaging Sciences (ultrasound)

### Planned higher diploma courses

- Image Pattern Analysis

- Magnetic Resonance Imaging/Computerised Tomography (CT)
- Interventional Imaging Techniques

### Entry requirements

- Holders of Diploma in Medical Imaging Sciences or their authentic equivalent.
- 2 years of continuous service in relevant professional government health service (public servants)

### Duration:

One academic year

### Course delivery

- The MIS course is delivered in semesters and module form.
- Each academic year is divided into 2 semesters.
- Courses are taught under distinct subjects. Each subject consists of modules, units, the latter are examinable on pass/fail basis. No candidate qualifies without passing each module independently.
- Theory forms 15–25% of the course
- Clinical practice forms 75–85 % of the course
- Independent field practical attachment and research is two months besides the normal practical rotations at the national and private hospitals within and outside Nairobi

## General-course organisation

### Examinations and awards

Each module is examinable as final pass/fail and presented to both internal and external examiners. The pass mark for each module/subject is a score of 50%. There is a final examination in each programme.

### Awards

- Diploma in Medical Imaging Sciences
- Diploma in Neurophysiology Technology
- Certificate in Ultrasound and image Pattern Analysis (USIPA)
- Higher Diploma in Medical Imaging Sciences (Relevant speciality or modality)

### Job opportunities

- Medical Imaging Sciences and KMTC graduates are in demand globally; over 50 have been employed in Europe and USA and other African countries in the last five years



- In Kenya, majority of the graduates get employment in all health and relevant industrial sectors on getting final examination results. Some universities accept our diploma graduates for 12 months Bachelor of Technology degree conversion programme in hospitals within and outside Nairobi.

### Planned programmes

1. Bachelor of Medical Imaging Sciences (local and by international collaboration)
2. Higher Diploma in:
  - a). Computerised Tomography (CT)/Magnetic Resonance Imaging (MRI) Title, HDMIS
  - b). Interventional imaging techniques HDMIS
  - c). Angiography and Cardiology, HDMIS (Vascular Angiography)

### Short courses

These are offered to graduates of our programmes for continuous professional development:

- (a) Quality Assurance and Image Pattern Recognition
- (b) Refresher courses for imaging and therapy staff

### Venue

Department of Medical Imaging Sciences, Kenya Medical Training College Nairobi.



## Academic year

The college academic year starts in the beginning of September and ends at the end of August every year. However, each department either follows semester or term system.

## Staff development

There is a conscious effort by the college to develop the departments' staff upto Phd level. For example, lecturers are admitted to University of Johannesburg, South Africa, for a Bachelor of Technology degree in Imaging and Therapy.



### For further information contact:

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