

About the Programme

Medical Laboratory Science is a branch of medicine concerned with performance of the laboratory and analysis used in the diagnosis and treatment of diseases and the maintenance of good health. A medical laboratory technologist uses chemical, physical and biological laboratory processes to examine specimens to identify disease, pathological conditions or pathogens. A medical laboratory technologist is also involved in research to find suitable and reliable laboratory tests which can be used for future diagnosis. Diploma in Medical Laboratory Science at KeMU is designed to produce graduates who will value human life and use the knowledge in laboratory medicine to protect and maintain human health.

Objectives of the Programme

Upon completion of the programme, graduates will be able to;

- Perform laboratory examinations
- Work harmoniously, ethically and professionally with physicians, colleagues and patients
- Select, use and maintain laboratory equipment
- Apply skills in laboratory supervision and management
- Acquire competencies and skills for teaching laboratory procedures
- Maintain high quality control procedures and systems in the laboratory
- Observe the professional code of conduct and ethics

Minimum Admission Requirements

1. Kenya Certificate of Secondary Education (K.C.S.E.) with a mean grade C, or equivalent and in addition a

minimum grade of C in the following;

- Biology / Biological Sciences
 - Chemistry/ physical Sciences
 - English or Kiswahili
 - Mathematics or physics or
2. Holders of certificate in Medical Laboratory Sciences from recognised institutions by Kenya Medical Laboratory Technologist and Technicians Board (KMLTTB).

Duration

This is a three year programme leading to the reward of a Diploma in Medical Laboratory Science. To qualify for the Diploma, a candidate must undergo at least eight (8) weeks of attachment in a recognized laboratory after which he/she shall submit a written report for grading.

Course Structure

| Code | Course Title | Credit Hours |
|------|--------------|--------------|
|------|--------------|--------------|

First Year

1st Trimester

| | | |
|----------|-----------------------|---|
| MATH 130 | Basic Mathematics | 2 |
| COMM 111 | Communication Skills | 2 |
| COMP 100 | Computer Applications | 2 |
| THEO 111 | Christian Beliefs | 2 |
| DMLS 011 | Human Anatomy | 2 |
| HSCI 225 | HIV/AIDS | 2 |

2nd Trimester

| | | |
|----------|------------------|---|
| DMLS 010 | Chemistry | 2 |
| DMLS 019 | Human Physiology | 2 |

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|----------|------------------|---|
| DMLS 012 | Biochemistry | 2 |
| DMLS 013 | First Aid | 2 |
| MATH 231 | Biostatistics | 2 |
| MLSC 302 | Research Methods | 2 |

3rd Trimester

| | | |
|----------|----------------------------------|---|
| DMLS 014 | Instrumentation | 2 |
| DMLS 015 | Medical Microbiology 1 | 2 |
| DMLS 016 | Clinical Chemistry 1 | 2 |
| DMLS 017 | Haematology 1 | 2 |
| DMLS 018 | Histopathology & Cytopathology 1 | 2 |

Year 2

1st Trimester

| | | |
|----------|------------------------------------|---|
| DMLS 020 | Blood Transfusion Sciences 1 | 2 |
| DMLS 021 | Medical Parasitology/ entomology 1 | 2 |
| DMLS 022 | Immunology | 2 |
| DMLS 023 | Health Safety and The Environment | 2 |
| DMLS 024 | Medical Microbiology li | 2 |

2nd Trimester

| | | |
|----------|-------------------------------------|---|
| DMLS 025 | Clinical Chemistry li | 2 |
| DMLS 026 | Haematology li | 2 |
| DMLS 027 | Histopathology And Cytopathology II | 2 |
| DMLS 028 | Blood Transfusion Sciences II | 2 |
| DMLS 029 | Medical Parasitology/ entomology II | 2 |

3rd Trimester

| | | |
|----------|-----------------------------|--|
| DMLS 033 | Clinical Placement (14 wks) | |
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3rd Year

1st Trimester

| | | |
|----------|---|---|
| DMLS 030 | Virology | 2 |
| DMLS 031 | Research/project | 2 |
| BUSS114 | Entrepreneurship | 2 |
| DMLS 032 | Clinical Chemistry 111 | 2 |
| DMLS 034 | Laboratory Management, Professional Conduct, Ethics & Law | 2 |

Application Procedure

Application forms are available at all our Campuses - Main Campus - Meru, Nairobi, Mombasa, Nakuru and Nyeri and in all our centres - Marimanti, Maua and Meru Town

You can also download the application forms from the University website www.kemu.ac.ke.
A non-Refundable fee of Ksh 1000 for East Africans and US\$ 20 for non-East Africans will be charged.

For more information please contact:

The Academic Registrar- Main Campus.



Main Campus, Meru

P.O. Box 267- 60200, Meru, Kenya
Tel: : 020 - 2118423/4/5/6/7 ,
0724 - 256 162, 0734 - 310 655
info@kemu.ac.ke
Fax: 064 - 30162

Nairobi Campus

KeMU Hub
P.O. Box 45240- 00100, Nairobi, Kenya
Tel: 020 - 2247987/2248172,
0725 - 751 878, 0735 - 701 311
nairobicampus@kemu.ac.ke
Fax: 020 - 248160

Nakuru Campus

Mache Plaza
P.O. Box 3654 - 20100, Nakuru, Kenya
Tel: 051-2214456
Fax: 2215314
info@kemu.ac.ke

Marimanti Centre

Methodist Rural Training Centre
P.O. Box 22 - 60215, Marimanti, Kenya
Tel: : 020 - 2118423/4/5/6/7
0724 256 162, 0734 -310 655
Fax: 064 -30162
info@kemu.ac.ke

Mombasa Campus

Tel: 041 - 2495945/8
0715 120 282, 0731 190 932
P.O. Box 89983 - 80100,
Mombasa, Kenya
info@kemu.ac.ke

Nyeri Campus

Rware Building
P. O. Box 2285 - 10140, Nyeri , Kenya
Tel: 061 - 2032904, 020 - 2118441
0700-739 988, 0733 601 884
Fax: 061 - 2034100

Maua Centre

Maua Methodist Hospital Sacco Building
P.O. Box 267 - 60200,
Meru, Kenya
Tel: 020 - 2118439
info@kemu.ac.ke

Meru Town Centre

P.O. Box 267 - 60200,
Meru, Kenya
Tel: 064 - 31814 , 0718 767 060
info@kemu.ac.ke



KeMU
Kenya Methodist University

The future is here!

**Diploma in
Medical Laboratory**