

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

Overview

The main objective of this program is to produce Medical Laboratory Technologist (MLT) who has the expertise and efficiency in various fields of Medical Laboratory Technology so that they will be competent in performing their duties at the Clinical Diagnostic Laboratory and other laboratories that are involved in teaching and research pertaining to medicine and Bio-Medical services.

Benefits

At the end of the program, the graduates will be able to:

- Explain the knowledge of medical laboratory science
- Perform medical laboratory procedures according to standard practice
- Consider safety of self and surrounding while working in the lab
- Play a professional role as an MLT
- Cooperate well and effectively in the organization
- Respond quickly and accurately in solving lab procedural problems in the lab

Career and Academic Path

Students who have successfully completed the course can find employment in the private and public sectors as MLTs in the following areas:

- Service sectors- in the hospitals health and diagnostic laboratories
- Teaching and laboratory – support service in colleges and universities
- Research – in universities and research centres
- Industrial and management sectors

There are ample opportunities for career advancement through Continuing Education Programs. For instance, graduates with Diploma can pursue a bachelor degree in biomedical sciences at the local universities.

Programme structure

Year 1 (Sem 1 & 2)

- Cell Biology & Introduction to Genetics
- Human Anatomy
- Human Physiology
- Laboratory Mathematics
- Basic Laboratory Techniques & Instrumentation
- English for Health Sciences
- Clinical Laboratory Posting 1
- Pembangunan Sahsiah

- Biochemistry 1
- Basic Medical Pathology
- Basic Medical Microbiology
- Histological Techniques 1
- Clinical Laboratory Posting 2

Year 2 (Sem 3 & 4)

- Biochemistry 2
- Hematology 1
- Histological Techniques 2
- Clinical Microbiology
- Basic Medical Parasitology
- Immunology
- Clinical Laboratory Posting 3
- Asas Keusahawanan
- Clinical Chemistry 1
- Hematology 2
- Molecular Biology Technique
- Immunohematology 1
- Diagnostic Parasitology
- Clinical Laboratory Posting 4

Year 3 (Sem 5 & 6)

- Clinical Chemistry 2
- Basic Medical Cytology
- Introductory Course to Biostatistics
- Principles of Laboratory Practice
- Immunohematology 2
- Clinical Laboratory Posting 5
- Clinical Laboratory Posting 6

Entry requirements

A student must have the following:

1. Pass in Sijil Pelajaran Malaysia (SPM) or an equivalent examination and obtain credit in Bahasa Melayu (BM) (including oral examination), English, Mathematics, and two pure science subjects preferably Biology and Chemistry

Must be physically and mentally fit without any handicap that hinders performance, work in

medical laboratory.

Duration of Program

6 Semesters (3 years)

Class Schedule

Class – Monday to Friday

Time – 8.00 am - 5.00 pm

Assessment method

Continuous Assessment **40%**

End of Semester Examination / Course **60%**

Medium instruction

The course is conducted in Bahasa Malaysia and English.

Class location

College of Health Sciences, UMMC Wisma R&D

University of Malaya Medical Centre

Intake schedule

June/July each year

*The date for application will be advertised in the website **four (4)** month before the course is offered.

Fees

Programme Fees

RM45,000.00

Contacts

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