

# DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

KPT (R2/725/4/0061) MQA (A11482)

This programme is designed to train students to become Medical Laboratory Technologists who are responsible for conducting various tests and examinations to aid in the diagnosis and treatment of diseases. Students will learn to use sophisticated equipment and instruments, perform quality assurance measures, and follow strict procedures. Graduates will be able to identify bacteria, parasites and other microorganisms, cross-match blood for transfusions, and carry out differential cell counts. The programme will also cover topics related to quality assurance measures and direct patient contact.

## DURATION OF STUDY

3 Years (36 months)

## MODE OF STUDY

Full Time

## ACADEMIC PATHWAY

Progress to undergraduate degree in various fields related to medical laboratory technology or seek a career as a:

- Medical Laboratory Technologist
- Lab Assistant
- Healthcare Administrator
- Medical Product Sales Representative
- Veterinary

## ENTRY REQUIREMENTS

1. SPM or equivalent with PASS in Bahasa Malaysia and English and 5 credits in the following subjects:

- Mathematics;
- ONE science subject (Biology/Physics/Chemistry/General Science/Applied Science); and
- Any other THREE subjects (including Bahasa Malaysia and/or English).

OR

2. GCE/O Level or equivalent with PASS in Bahasa Malaysia or English and 5 Grade C in the following subjects:

- Mathematics;
- ONE science subject (Biology/Physics/Chemistry/General Science/Applied Science); and
- Any other THREE subjects (including Bahasa Malaysia and/or English).

OR

3. Certificate related to Health Sciences with minimum CGPA 2.75



### Year 1

- Human Biology & Genetics
- Chemistry
- Biostatistic & Epidemiology
- Immunology
- Laboratory Science
- Cytology I
- Histopathology I
- Immunoematology I
- Hematology I
- Medical Microbiology I
- Basic Biochemistry
- Penghayatan Etika & Peradaban
- Communicative English
- Etika & Amalan Moral

### Year 2

- Histopathology I
- Hematology II
- Medical Microbiology II
- Clinical Biochemistry II
- Medical Parasitology I
- Keterlibatan Komuniti
- Behavioral Science
- Cytology II
- Immunoematology II
- Clinical Biochemistry II
- Medical Parasitology II
- Immunoematology III
- Cytology III
- Professional Development

### Year 3

- Histopathology III
- Medical Parasitology III
- Hematology III
- Clinical Biochemistry III
- Medical Microbiology III
- Histopathology IV
- Immunoematology IV
- Medical Microbiology IV
- Clinical Biochemistry IV
- Medical Parasitology IV
- Hematology IV
- Cytology IV