



Master of Medical Laboratory Science

FEATURES

The 2-year full time entry level postgraduate programme aims to equip students to become qualified Medical Laboratory Technologists (MLTs) who are responsible for conducting tests accurately, analysing results, and providing essential information for patient diagnosis and treatment. Students are expected to cultivate critical evaluation skills for healthcare literature, enabling them to engage in research, analyze information from various sources and apply findings to clinical practice. Additionally, they are encouraged to develop a strong sense of professional commitment to deliver high-quality services and contribute to the advancement of the MLT profession.

Our program is the only full-time postgraduate programme in Medical Laboratory Science offered by Hong Kong Government-funded Universities. In addition to a comprehensive theoretical foundation, the curriculum incorporates practical training and clinical attachments in Hong Kong hospitals' laboratories. Students will acquire the skills to connect theoretical knowledge with practical application, enabling them to effectively apply their learning in laboratory medicine.

CREDIT REQUIREMENTS

A total of 80 credits from core, specialism and elective subjects, including a 6-credit capstone project and 10-credit clinical education.

Core subjects (39 credits)

- Human Physiology
- Human Pathophysiology
- Instrumentation in Clinical Laboratory
- Clinical Immunology
- Clinical Virology
- Legal and Ethical Issues for Healthcare Professions
- Current Topics in Medical Laboratory Science
- Molecular Diagnostics in Medicine
- Bioinformatics for Medical Laboratory Science
- Molecular Technology in Clinical Laboratory
- Workshops on Advanced Molecular Diagnostic Technology
- Capstone Project

Specialism subjects (38 credits)

- Basic Cellular Pathology
- Basic Clinical Chemistry
- Basic Haematology
- Basic Medical Microbiology
- Concepts and Theories in Histopathology and Cytology
- Practicum and Interpretation in Histopathology and Cytology
- Concepts and Theories in Clinical Chemistry
- Practicum and Interpretation in Clinical Chemistry
- Concepts and Theories in Haematology and Transfusion Science
- Practicum and Interpretation in Haematology and Transfusion Science
- Concepts and Theories in Medical Microbiology
- Practicum and Interpretation in Medical Microbiology
- Clinical Placement (In clinical laboratories of public and/or private sectors)

Elective subject (3 credits)

- Epidemiology
- Professional Development in Infection Control Practice
- Clinical Applications of Molecular Diagnostics in Healthcare

PROFESSIONAL RECOGNITION

Graduates are eligible to apply for registration (Part II) with the Medical Laboratory Technologists (MLT) Board of Hong Kong. Registration is legally required for practising as medical laboratory technologist in local medical laboratories.* Graduates are also eligible (i) to apply for Membership of the Institute of Biomedical Science (IBMS, UK), and (ii) to sit the Certificate Examination of the American Society for Clinical Pathology International (MT, ASCPI).*

**Subject to approval*

TUITION FEE

HK\$7,600 per credit for local and non-local students

MODE OF ATTENDANCE

Full-time mode

NORMAL DURATION

2 years

ENTRANCE REQUIREMENTS

Applicants should have obtained a Bachelor's degree in sciences, preferably biochemistry, biological science, life science or health-related disciplines from a reputable university.

Preference will be given to applicants who have obtained credits for each of the following prerequisite undergraduate-level course before admission to the programme:

- Human Physiology (3 credits or equivalent)
- Human Anatomy (3 credits or equivalent)
- Laboratory techniques and instrumentation (3 credits or equivalent)
- Human Biochemistry (3 credits or equivalent)
- Cell Biology (3 credits or equivalent)
- Human Genetics (3 credits or equivalent)
- Molecular Biology (3 credits or equivalent)
- Statistics / Biostatistics (3 credits or equivalent)



e-Prospectus



CONTACT INFORMATION

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