

**Programme Requirements for
Bachelor of Science with Honours in Medical Laboratory Science**

1. Programme Requirement – Year 1 Entry

1.1 To be eligible for the award of the degree of Bachelor of Science with Honours in Medical Laboratory Science through Year 1 Entry, a student shall:

1.1.1 obtain 135 credit-units as prescribed below, of which no more than 30 credit-units shall be at 1000-level, at least 24 credit-units shall be at 3000-level and at least 24 credit-units shall be at 4000-level:

1.1.1.1 114 credit-units of core courses in Table 1;

1.1.1.2 9 credit-units of University Core courses in Table 2;

1.1.1.3 6 credit-units of University English courses in Table 3;

1.1.1.4 6 credit-units of General Education (GE) courses (see www.hkmu.edu.hk/FT_GE for the updated list of GE courses)

1.1.2 attain grade C or above for all 114 credit-units of core courses listed in Table 1
and

1.1.3 attain the CGPA for graduation as prescribed in the Regulations for the award of undergraduate degrees.

Table 1: Core Courses

Course Code	Course Title	Credit-units
BIOL 1003SEF	Essential Biology	3
BIOL 2002SEF	Human Anatomy	3
BIOL 2006SEF	Cells in Health and Disease	3
BIOL 2012SEF	Human Physiology	3
BIOL 2036SEF	Cellular and Molecular Biology	3
BIOL 2045SEF	Human Biochemistry	3
BIOL 3004SEF	Pathophysiology	3
BIOL 3015SEF	Medical Immunology	3
BIOL 3056SEF	Biochemical and DNA Techniques	3
BIOL 4007SEF	Medical Microbiology – Theory	3
BIOL 4008SEF	Medical Microbiology – Practical	3
BIOL 4009SEF	Anatomical and Cellular Pathology – Theory	3
BIOL 4010SEF	Anatomical and Cellular Pathology – Practical	3
BIOL 4011SEF	Medical Virology	3
BIOL 4012SEF	Medical Genetics	3

Course Code	Course Title	Credit-units
CHEM 1002SEF	Essential Chemistry	3
CHEM 3008SEF	Clinical Chemistry – Theory	3
CHEM 3009SEF	Clinical Chemistry – Practical	3
MLS 1001SEF	Introduction to Medical Laboratory Science and Laboratory Instrumentation I	3
MLS 1004SEF	Introduction to Medical Laboratory Science and Laboratory Instrumentation II	3
MLS 2011SEF	Seminar and Professional Training in Medical Laboratory Science	3
MLS 3009SEF	Haematology and Transfusion Science – Theory	3
MLS 3010SEF	Haematology and Transfusion Science – Practical	3
MLS 4001SEF	Molecular Diagnosis of Human Diseases	3
MLS 4002SEF	Frontiers in Medical Laboratory Techniques and Instrumentation	3
MLS 4010SEF	Research Project	6
MLS 4013SEF	Bioinformatics and Biostatistics	3
MLS 4021SEF	Clinical Practicum 1 (Clinical Chemistry)	3
MLS 4022SEF	Clinical Practicum 2 (Haematology and Transfusion Science)	3
MLS 4023SEF	Clinical Practicum 3 (Medical Microbiology)	3
MLS 4024SEF	Clinical Practicum 4 (Anatomical and Cellular Pathology)	3
SCI 1010SEF	Laboratory Safety and Good Laboratory Practice	3
SCI 2005SEF	Public Health and Infectious Control	3
SCI 2006SEF	Pharmacology and Toxicology	3
SCI 3030SEF	Scientific Research Methods	3
SCI 4001SEF	Legal and Ethical Issues in Health Care	3
TC 3011SEF	Conformity Assessment and Laboratory Accreditation	3

Table 2: University Core courses

Course Code	Course Title	Credit-units
UNI 1002ABW	University Core Values	2
UNI 1012ABW	Social Responsibilities	1
UNI 2002BEW	Effective Communication and Teamwork	3
UNI 3002BEW	Entrepreneurial Mindset and Leadership for Sustainability	3

Table 3: University English courses

Course Code	Course Title	Credit-units
ENGL 1101AEF	University English: Reading and Writing	3
ENGL 1202EEF	University English: Listening and Speaking	3