

Diploma in Laboratory Technology

2025 – 2027 Intake

Entry Qualifications

Diploma in Food and Material Technology (FMT) and Diploma in Clinical Laboratory Technology (CLT)

1. Should have followed the GCE Advanced Level examination in the Science Stream.
AND
2. Should have passed six subjects in one sitting, with credit passes for Mathematics and Science at the G.C.E. (O/L) examination, and should have passed English Language in not more than two sittings.

Diploma in Medical Laboratory Technology (MLT) Stream

1. Should have passed six subjects with credit passes in Mathematics and Science at the G.C.E. (O/L) examination in one sitting and should have passed English Language in not more than two sittings.
AND
 2. Should have passed any two subjects from among Physics, Biology, Agriculture, and Combined Mathematics in one sitting, with a credit pass for Chemistry in one sitting at the G. C. E. (A/L) Examination.
AND
 3. Should be not less than 18 years or more than 35 years of age as of 01.01.2025.
- Only those who qualify in the MLT stream shall be eligible to apply for MLT registration.

THE COURSE CONSISTS OF MODULES AS GIVEN BELOW (60 Credits)

1st Year - 14 General Modules

Subject Code	Subject	Credits
G 1	Basic General Inorganic Chemistry	2
G 2	Basic Physical Chemistry	2
G 3	Basic Organic Chemistry	2
G 4	Analytical Chemistry I	2
G 5	Analytical Chemistry II	2
G 6	Analytical Chemistry III	2
G 7	Laboratory Practice	1
G 8	Basic Biological Chemistry I	2
G 9	Basic Biological Chemistry II	2
G 10	Basic Electronics	2
G 11	Basic Mathematics	2
G 12	Basic Statistics	2
G 13	Introduction to Information Technology	2
G 14	Introduction to Management	2

2nd Year - Special Modules for Clinical Laboratory Technology (CLT)/

Medical Laboratory Technology (MLT)

14 Special Modules

Subject Code	Subject	Credits
MLT 1	Introduction to Medical Laboratory	2
MLT 2	Clinical Biochemistry I	2
MLT 3	Clinical Biochemistry II	2
MLT 4	Diagnostic Microbiology	2
MLT 5	Diagnostic Parasitology	2
MLT 6	Clinical Haematology I	2
MLT 7	Clinical Haematology II	3
MLT 8	Clinical Biochemistry III	2
MLT 9	Clinical Biochemistry IV	3
MLT 10	Toxicology and Molecular Diagnostics	2
MLT 11	Histopathology and Cytology	2
MLT 12	Quality Assurance and Accreditation	2
MLT 13	Laboratory Practice	1
MLT 14	Clinical Laboratory Training (6 months)	6

2nd Year - Special Modules for Food and Material Technology (FMT)

14 Special Modules

Subject Code	Subject	Credits
FMT 1	Fundamentals of Chemical Engineering	2
FMT 2	Food Chemistry, Food Additives, Food Contaminants, Food Spoilages and Food Preservations	3
FMT 3	Food Processing (Plant Origin)	2
FMT 4	Food Processing (Animal Origin)	2
FMT 5	Food Microbiology	2
FMT 6	Food Analysis	2
FMT 7	Polymer Science and Petroleum	2
FMT 8	Industrial Chemistry I	3
FMT 9	Industrial Chemistry II	2
FMT 10	Occupational Health, Safety, Pollution & Waste Management and Environmental Chemistry	2
FMT 11	Pharmaceutical and Cosmetic Technology	2
FMT 12	Quality Assurance and Accreditation	1
FMT 13	Laboratory Practice	1
FMT 14	Food Industrial Training (6 months)	6

DLT Payment Information

Account Details:

Number – 0008492775

Name – Institute of Chemistry Ceylon

Bank – Bank of Ceylon

Branch - Rajagiriya

Tentative Schedule

1st Year

Friday Full Day (7.30 am – 6.00 pm)

Saturday Full Day (7.30 am – 6.00 pm)

Sunday Full Day (7.30 am – 6.00 pm)

2nd Year

Saturday Full Day (7.30 am – 6.00 pm)

Sunday Full Day (7.30 am – 6.00 pm)