

# **Diploma in Laboratory Technology**

**2024 – 2026 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 01.01.2024.
- Only those who qualify in the MLT stream shall be eligible to apply for MLT registration.

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

#### **1<sup>st</sup> Year - 14 General Modules**

<b>Subject Code</b>	<b>Subject</b>	<b>Credits</b>
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

## 2<sup>nd</sup> 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

## 2<sup>nd</sup> 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

##### 1<sup>st</sup> 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)

##### 2<sup>nd</sup> Year

Saturday Full Day (7.30 am – 6.00 pm)

Sunday Full Day (7.30 am – 6.00 pm)