

# Medical Laboratory Technology

## Introduction

A medical laboratory scientist (MLS), also known as a medical technologist or clinical laboratory scientist, works to analyze a variety of biological specimens. They are responsible for performing scientific testing on samples and reporting results to physicians.

Medical laboratory scientists perform complex tests on patient samples using sophisticated equipment like microscopes. The data they find plays an important role in identifying and treating cancer, heart disease, diabetes, and other medical conditions. It is estimated 60 to 70 percent of all decisions regarding a patient's diagnosis, treatment, hospital admission, and discharge are based on the results of the tests medical laboratory scientists perform.

## Skill Set

- Communication skills to understand the patients and communicate effectively
- Emotional strength to lend support and patient listening
- Strength and stamina to move patients to collect samples
- Comfort with bodily fluids such as urine and blood for testing
- No qualms in poking needles and the patience to deal with scared patients
- Eye for detail with basic computer skills
- Systematic approach and organisation skills to store and segregate samples

## Eligibility

10 + 2 with minimum 55% in Physics, Chemistry, Biology/ Mathematics

## Top Colleges

- **All India Institute of Medical Sciences**  
**Location:** Bhubaneshwar, Rishikesh  
**Course:** B.Sc. in Medical Laboratory Technology  
**Admission Criteria:** On the basis of entrance examination
- **Government Medical College and Hospital**  
**Location:** Chandigarh  
**Course:** B.Sc. in Medical Laboratory Technology  
**Admission Criteria:** On the basis of entrance examination
- **Christian Medical College**  
**Location:** Vellore  
**Course:** B.Sc. in Medical Laboratory Technology  
**Admission Criteria:** On the basis of entrance examination, aptitude test and interview

- **Jawaharlal Institute of Postgraduate Medicine and Research**  
**Location:** Pondicherry  
**Course:** B.Sc. in Medical Laboratory Technology  
**Admission Criteria:** On the basis of entrance examination, aptitude test and interview
- **Jamia Hamdard University**  
**Location:** Delhi  
**Course:** B.Sc. in Medical Laboratory Technology  
**Admission Criteria:** On the basis of entrance examination
- **Baba Farid University of Health Sciences**  
**Location:** Faridkot  
**Course:** B.Sc. in Medical Laboratory Technology  
**Admission Criteria:** On the basis of merit
- **PGIMS**  
**Location:** Rohtak  
**Course:** B.Sc. in Medical Laboratory Technology  
**Admission Criteria:** On the basis of entrance examination
- **Guru Gobind Singh Indraprastha University**  
**Location:** Delhi  
**Course:** B.Sc. in Medical Laboratory Technology  
**Admission Criteria:** On the basis of entrance examination

## Job Prospects

- CT Scan Technicians
- Pathology Technician
- MRI Technicians
- Optical Laboratory Technician
- X-ray Technician
- Radiology Technician
- Laboratory Manager/ Technician
- Medical Officer
- Research Associate
- Resident Medical Officer
- Medical Record Technician

**Disclaimer:** The information provided here is to the best of our knowledge. It is highly recommended that you cross check the source of information through the specific Colleges and Universities. Career Prabhu is in no way responsible for the decisions made solely on the basis of this document