

# Healthcare

## Introduction of the Sector

Health Care comprising of hospitals, medical devices, clinical trials, outsourcing, telemedicine, medical tourism, health insurance and medical equipment has become one of India's largest sectors – both in terms of revenue and employment. With increased awareness about health, domestic healthcare, medical tourism and health insurance markets are gaining momentum, offering opportunities for trained personnel.

## B.Voc. in Medical Laboratory Technology

### Course Introduction

A graduate of B. Voc. in Medical Laboratory Technology is an all-rounder as far as technologies in a medical laboratory is concerned. The course envisages to build in an overall expertise in the student, of performing medical laboratory tests, whether its routine or special tests. The students would be capable of performing a range of tests such as those related to phlebotomy, clinical biochemistry, haematology, serology, cytogenetics, etc., Besides, skills related to lab management and ethics, biomedical waste disposal, personality development, effective communication skills, etc., would also be developed in them.

The course creates the grounds for enhancing vertical growth opportunities for the Medical Laboratory Technician graduate.

The course aims to impart students with knowledge regarding Anatomy, so that they understand the investigative aspect adequately to equip themselves to perform laboratory procedures. It will not only help the students to perform investigative procedures more accurately but also help them to perform better in a Pathology Lab.

### Eligibility for Admission

The eligibility for admission to B. Voc. in Medical Laboratory Technology shall be 10+2 or equivalent, in science stream.

### Career Prospects

Depending upon one's training and qualification, the B.Voc in Medical Laboratory Technology professionals may work as technologists or technicians at medical laboratories. The student may start off by working as a technician. Some of the common job profiles available in front of graduates include - Lab Technician, Lab Technologist, Lab Supervisor and Lab Manager.

### Semester-wise Listing of Courses

Semester	Subject Code	Subject Name	Credit
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<b>I</b>	GE 1.1	Functional English	4
	GE 1.2	Communication Skills - I	4
	GE 1.3	Computing Skills - I	4
	MLT 1	Anatomy I	2
	MLT 2	Physiology I and Laboratory Basics I	4
	MLT 3	Phlebotomy and Waste Management I	5
	MLTP 1	Vocational Practical	12
<b>II</b>	GE 2.1	Basics of Economics and Markets	4
	GE 2.2	Environment Sciences	4
	GE 2.3	Ethics and Governance	4
	MLT 4	Anatomy II	2
	MLT 5	Physiology II and Clinical Biochemistry I	4
	MLT 6	Laboratory Basics II and Waste Management II	5
	MLTP 2	Vocational Practical	12
<b>III</b>	GE 3.1	Communication Skills II	4
	GE 3.2	Financial Literacy	4
	GE 3.3	Basics of Legal and HR Policies	4
	MLT 7	Bacteriology and Clinical Biochemistry II	4
	MLT 8	Haematology and Immunology I	4
	MLT 9	Histopathology and Personality Development	3
	MLTP 3	Vocational Practical	12
<b>IV</b>	GE 4.1	Computing Skills – II	4
	GE 4.2	Basics of Accounting	4
	GE 4.3	Design Thinking	4
	MLT 10	Clinical Pathology I	3
	MLT 11	Virology, Mycology and Cytology	4
	MLT 12	Haematology and Blood Banking	4
	MLTP 4	Vocational Practical	12
<b>V</b>	GE 5.1	Digital Literacy	4
	GE 5.2	Health and Wellness	4
	GE 5.3	Personal Grooming	4
	MLT 13	Clinical Pathology II	3
	MLT 14	Endocrinology I and Parasitology	4
	MLT 15	Molecular Biology I	4
	MLTP 5	Vocational Practical	12

<b>VI</b>	GE 6.1	Entrepreneurship	4
	GE 6.2	Employment Readiness	4
	GE 6.3	Effective Workplace Skills & Competencies	4
	MLT 16	Immunology II	3
	MLT 17	Endocrinology II and Molecular Biology II	4
	MLT 18	Toxicology	4
	MLTP 6	Vocational Practical	12

**Programme fees:** Rs. 48,000/-per annum

**Examination fees:** Rs.1,600/- per semester and Rs.3200 per annum

**Caution Deposit ( Refundable):** Rs.5000

**Note: Maharashtra Paramedical Council approval is in process for Healthcare programmes**

