

Maulana Abul Kalam Azad University of Technology, WB
(Formerly known as West Bengal University of Technology)
Syllabus of B.Sc. in Medical Lab Technology
Effective from academic session 2023-24

Model curriculum structure for 4 year Non-AICTE UG programs for B.Sc. in Medical Lab Technology

Sem	Major (Offline)	Minor (Blended Mode)	Inter Disciplinary (Offline)	Ability Enhancement (Offline)	Skill Enhancement (Online /Sessional)	Common Value added Course (SESSIONAL)	Total credits
I	FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY (5 credits) 3L+2P	Computer Fundamental (3 credits)	Any one from GE baskets Basket A or D (3 credits)	English & Professional Communication (2 credits)	Life Skills & Personality Development (2 credits)	Yoga/ Health & Wellness/ Sports (2 credits)	22 credits
	GENERAL MICROBIOLOGY & PARASITOLOGY,VIROLOG Y AND MYCOLOGY (5 credits) 3L+2P						
II	FUNDAMENTALS OF PATHOLOGY (5 credits) 3L+2P	Management Information System (3 Credit)	Any one from GE baskets Basket B or E (3 credits)	Modern Indian Languages and Literature (2 credits)	IT Tools for Business (2 credits)	Critical Thinking / NSS/ Mental Health (2 credits)	22 credits
	GENERAL BIOCHEMISTRY (5 credits) 3L+2P						

Maulana Abul Kalam Azad University of Technology, WB
(Formerly known as West Bengal University of Technology)
Syllabus of B.Sc. in Medical Lab Technology
Effective from academic session 2023-24

III	CLINICAL HAEMATOLOGY (5 credits) 3L+2P	Word and PowerPoint & Spreadsheet Application with Excel (4 credits)	Any one from GE baskets Basket C or F (3 credits)	The Constitution, Human Rights and Law (2 credits)	Understanding basics of Cyber Security (2 credits)		21 credits
	CLINICAL MICROBIOLOGY (5 credits) 3L+2P						
IV	IMMUNOLOGY AND SEROLOGY (5 credits) 3L+2P	Database Management with SQL (4 credits)		Society Culture and Human Behavior (2 credits)			23 credits
	HISTOTECHNIQUES (4 credits)						
	CLINICAL BIOCHEMISTRY (4 credits)	Graphic Design with PhotoShop & Illustrator (4 credits) 2L+2P					
v	IMMUNOHAEMATOLOGY AND BLOOD BANKING (5 credits) 3L+2P	Cloud Computing (4 credits) 2L+2P			Internship to be started after exam of 4th sem (sem break) and completed within		22 credits

Maulana Abul Kalam Azad University of Technology, WB
(Formerly known as West Bengal University of Technology)
Syllabus of B.Sc. in Medical Lab Technology
Effective from academic session 2023-24

	CLINICAL PATHOLOGY (5 credits) 3L+2P	E-commerce and Application (4 credits)			5th sem (weekends) (4 credits)		
VI	CLINICAL ENDOCRINOLOGY AND TOXICOLOGY (5 credits) 3L+2P	Web Development with HTML and CSS (4 credits) 2L+2P					22 credits
	DIAGONOSTIC MOLECULAR BIOLOGY (5 credits) 3L+2P	Internet and Networking (4 credits)					
	CLINICAL NUTRITION (4 credits)						
VII	CLINICAL ENZYMOLOGY AND AUTOMATION (5 credits) 3L+2P	Software Project Management (4 credits)					22 credits
	DIAGONOSTIC HISTOPATHOLOGY (5 credits) 3L+2P	Digital Marketing (4 credits)					

Maulana Abul Kalam Azad University of Technology, WB
(Formerly known as West Bengal University of Technology)
Syllabus of B.Sc. in Medical Lab Technology
Effective from academic session 2023-24

	RESEARCH METHODOLOGY (4 credits)						
VIII	CYTOPATHOLOGY TECHNIQUES AND CYTOGENETICES (5 credits) 3L+2P				Research Project or Dissertation (12 credits)		22 credits
	ADVANCED DIAGNOSTIC TECHNIQUES (5 credits) 3L+2P						
	19 subjects - 91 credits	11 subjects – 42 credits	3 subjects – 09 credits	4 subjects – 08 credits	3 subjects & Internship & Projects - 22 credits	2 subjects – 4 credits	176 credits