



The Manila Times College of Subic

George Dewey Complex, Subic Bay Gateway District II, Subic Bay Freeport Zone 2222
Zambales, Philippines

For inquiries: (047) 250 0228 || +63 927 365 8270 || admissions@tmtc.edu.ph

Bachelor of Science in Medical Laboratory Science

A.Y. 2024-2025

CMO 13 s. 2017

FIRST YEAR

First Semester

Grade	Course Code	Course Name	Lec	Lab	Units	Pre-requisite
	PMLS 1	Principles of Medical Laboratory Science Practice 1 (Intro to Med Lab Science, Lab Safety, and Waste Management)	3	0	3	
	HAPP1	Human Anatomy & Physiology with Pathophysiology	2	2	4	
	CHEM1	Inorganic & Organic Chemistry	2	2	4	
	HIS1	Health Information System for Med Lab Science	2	1	3	
	GE-U.Self	Understanding the Self	3	0	3	
	FL	Foreign Language (Mandarin/Nihongo/others)	3	0	3	
	PE 1 (PATHFit 1)	Movement Competency Training or MCT	2	0	2	
	NSTP 1	National Service Training Program 1 with GAD and Peace Education	3	0	3	
Total=			20	5	25	

Second Semester

Grade	Course Code	Course Name	Lec	Lab	Units	Pre-requisite
	GE-Math	Mathematics in the Modern World	3	0	3	
	GE-Comm	Purposive Communication	3	0	3	
	PMLS 2	Principles of Medical Laboratory Science Practice 2 (Clinical Laboratory Assistance Phlebotomy)	2	1	3	PMLS 1
	Chem 2	Analytical Chemistry (Quantitative and Qualitative)	2	2	4	Chem 1
	CPH	Community and Public Health for Med Lab Science with Indigenous People Education	2	2	4	
	PE 2 (PATHFit 2)	Exercise-based Fitness Activities	2	0	2	P.E. 1
	NSTP 2	National Service Training Program 2	3	0	3	NSTP 1
Total=			17	5	22	

SECOND YEAR

First Semester

Grade	Course Code	Course Name	Lec	Lab	Units	Pre-requisite
	GEE1-IT	Living in the IT Era	3	0	3	
	GE-TCW	The Contemporary World	3	0	3	
	GE-Art	Art Appreciation	3	0	3	
	Chem3	Biochemistry for Medical Laboratory Science	3	2	5	Chem 1 and 2
	BE	Biostatistics and Epidemiology	2	1	3	
	PST	Principles and Strategies of Teaching for Med Lab Science	2	0	2	
	CytoGen	Cytogenetics	2	0	2	HAPP1
	LM	Laboratory Management	2	0	2	PMLS 1 and 2
	PE 3 (PATHFit 3)	Choice of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	P.E. 1 and P.E. 2
Total=			22	3	25	

Second Semester

Grade	Course Code	Course Name	Lec	Lab	Units	Pre-requisite
	GE-Hist	Readings in Philippine History	3	0	3	
	GE-STC	Science, Technology and Society	3	0	3	
	GE-Ethics	Ethics	3	0	3	
	GE-Rizal	The Life and Works of Rizal	3	0	3	
	GEE2-ES	Environmental Science	3	0	3	
	HH	Human Histology	1	1	2	CytoGen, HAPP1
	CP	Clinical Parasitology	2	1	3	HAPP1
	PE 4 (PATHFit 4)	Choice of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	P.E. 1 and P.E. 2
Total=			20	2	22	



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THIRD YEAR

First Semester

Grade	Course Code	Course Name	Lec	Lab	Units	Pre-requisite
	CC 1	Clinical Chemistry 1	3	2	5	Chem 3, HAPP1
	CB	Clinical Bacteriology	3	2	5	HAPP1
	AUBF	Analysis of Urine and Body Fluids	2	1	3	Chem 3
	Hema 1	Hematology 1	3	1	4	HAPP1, HH
	MTLB	Med. Tech Laws and Bioethics	3	0	3	
	HCT	Histopathologic and Cytologic Techniques	2	1	3	HAPP1, HH
	MLSR 1	Intro to Med Lab Science Research	1	1	2	BE
Total=			17	8	25	

Second Semester

Grade	Course Code	Course Name	Lec	Lab	Units	Pre-requisite
	CC 2	Clinical Chemistry 2	3	2	5	CC1
	Hema 2	Hematology 2	2	1	3	Hema1
	IS	Immunology and Serology	3	1	4	CB
	IH	Immunoematology	3	1	4	CytoGen
	MBD	Molecular Biology and Diagnostics	1	2	3	CB
	MV	Mycology and Virology	2	0	2	CB
	MLS R2	Med Lab Science Research Paper Writing and Presentation	1	2	3	MSLR1
Total=			15	9	24	

FOURTH YEAR

First Semester

Grade	Course Code	Course Name	Lec	Lab	Units	Pre-requisite
	CI 1	Clinical Internship 1	0	12	12	All professional subj
	MTAP 1	Medical Technology Assessment Program 1	2	0	2	All professional subj
	SS 1	Seminar 1	1	0	1	All professional subj
Total=			3	12	15	

Second Semester

Grade	Course Code	Course Name	Lec	Lab	Units	Pre-requisite
	CI 2	Clinical Internship 2	0	12	12	CI 1
	MTAP 2	Medical Technology Assessment Program 2	2	0	2	MTAP 1
	SS 2	Seminar 2	1	0	1	SS 1
Total=			3	12	15	