



**Bachelor of Science in Medical Laboratory Science**

A.Y. 2024-2025 CMO 13 s. 2017

**First Year**

FIRST SEMESTER					
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 Mngt)	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	
<b>Total =</b>		<b>20</b>	<b>5</b>	<b>25</b>	

SECOND SEMESTER					
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	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
<b>Total =</b>		<b>17</b>	<b>5</b>	<b>22</b>	

**Second Year**

FIRST SEMESTER					
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
<b>Total=</b>		<b>22</b>	<b>3</b>	<b>25</b>	

SECOND SEMESTER					
Course Code	Course Name	Lec	Lab	Units	Pre-requisite
GE-Hist	Readings in Philippine History	3	0	3	
GE-STS	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	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
<b>Total =</b>		<b>20</b>	<b>2</b>	<b>22</b>	

### Third Year

FIRST SEMESTER					
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
<b>Total=</b>		<b>17</b>	<b>8</b>	<b>25</b>	

SECOND SEMESTER					
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	Immunochemistry	3	1	4	Hema 1
MBD	Molecular Biology and Diagnostics	1	2	3	CB
MV	Mycology and Virology	2	0	2	CB
MLS R2	MLS Research Paper Writing and Presentation	1	2	3	MSLR1
<b>Total =</b>		<b>15</b>	<b>9</b>	<b>24</b>	

### Fourth Year

FIRST SEMESTER					
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
<b>Total=</b>		<b>3</b>	<b>12</b>	<b>15</b>	

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

**Summary:**

General Education Core Courses	24 Units
General Education Electives Courses	9 Units
General Education Mandated Courses	17 Units
Medical Laboratory Science Core Courses	25 units
Medical Laboratory Science Professional Courses	65 units
Medical Laboratory Science Research Courses	5 Units
Clinical Internship Courses	28 units
<b>Total:</b>	<b>173 units</b>