

MASTER OF SCIENCE IN MEDICAL LABORATORY SCIENCE

Track 1

Academic Year: 2022-2023

FIRST YEAR

<u>Fall Semester</u>	<u>Credits</u>	<u>Spring Semester</u>	<u>Credits</u>
MLS 221 - Clinical Chemistry I*	4	CTS 302 - Quality in Healthcare	3
BHSC 281 - Applied Molecular Biology*	3	BHSC 244 - Immunology Lab*	1
BHSC 282 - Applied Molecular Biology Lab*	1	PATH 325 - Genetics for Clinicians	3
STAT 200 - Med Biostats & Epidemiology, <i>or</i> STAT 211 - Statistical Methods	3	MMG 222 - Advanced Medical Microbiology*	4
MLS 310 - Advanced Immunobiology	3	NH 399 - Fundamentals of Critical Inquiry	3
		MLS 222 - Clinical Chemistry II*	3
<i>Total Credits: 14</i>		<i>Total Credits: 17</i>	
<u>Summer Semester</u>	<u>Credits</u>		
MLS 397 - Clinical Leadership & Management	3		
MLS 390 - Research and Design II	3		
<i>Total Credits: 6</i>			

SECOND YEAR

<u>Fall Semester</u>	<u>Credits</u>	<u>Spring Semester</u>	<u>Credits</u>
MLS 372 - Emerging Diagnostic Technologies	3	MLS 301 - MS Clinical Practicum*	12
MLS 231 - Hematology*	4	MLS 302 - Certification Review*	1
MLS 262 - Immunohematology*	4	MLS 391 - Research Capstone	3
MLS 255 - Clinical Microbiology II*	3		
<i>Total Credits: 17</i>		<i>Total Credits: 13</i>	

CORE COURSES:

15 credits total of the following required:

STAT 200 - Medical Biostatistics & Epidemiology *or*
STAT 211 - Statistical Methods
MLS 397 - Clinical Leadership & Management
MLS 372 - Emerging Diagnostic Technologies
CTS 302 - Quality in Health Care
PATH 325 - Genetics for Clinicians

RESEARCH AND DESIGN COURSES:

9 credits total of the following required:

I: Fundamentals of Critical Inquiry NH 399
II: Research and Design MLS 390
III: Research Capstone MLS 391

NOTE: An asterisk (*) indicates
NAACLS ACCREDITED PROFESSIONAL COURSE.
Rev: 08/2/22 km