

MASTER OF SCIENCE IN MEDICAL LABORATORY SCIENCE Track 1

Academic Year: 2024-2025

FIRST YEAR

<u>Fall Semester</u>	<u>Credits</u>	<u>Spring Semester</u>	<u>Credits</u>
MLS 5100 – Gr Clinical Chemistry I*	4	GRNS 6280 - Quality in Healthcare	3
BHSC 5810 – Gr Applied Molecular Bio*	3	BHSC 5440 – Gr Immunology Lab*	1
BHSC 5820 – Gr Applied Molec Bio Lab*	1	PATH 6250 - Genetics for Clinicians	3
STAT 5000 – Biostatistics and Epidemiology, <i>or</i> STAT 5210 – Advanced Stat Methods & Theory	3	MMG 5220 - Gr Medical Micro w/lab*	4
MLS 6100 - Advanced Immunobiology	3	NH 6899 - Fundamentals of Critical Inquiry	3
		MLS 5110 – Gr Clinical Chemistry II*	3
<i>Total Credits: 14</i>		<i>Total Credits: 17</i>	
<u>Summer Semester</u>	<u>Credits</u>		
MLS 6900 - Clinical Leadership & Management	3		
MLS 6500 - 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 6300 - Emerging Diagnostic Technologies	3	MLS 6700 - MS Clinical Practicum*	12
MLS 5200 – Gr Hematology*	4	MLS 6000 - Certification Review*	1
MLS 5400 – Gr Immunohematology*	4	MLS 6600 – Research Capstone	1
MLS 5300 – Gr Clinical Micro II*	3		
MLS 6600 – Research Capstone	2		
<i>Total Credits: 16</i>		<i>Total Credits: 14</i>	

CORE COURSES:

15 credits total of the following required:

STAT 5000 - Medical Biostatistics & Epidemiology *or*
STAT 5210 – Advanced Stat Methods & Theory
MLS 6900 - Clinical Leadership & Management
MLS 6300 - Emerging Diagnostic Technologies
CTS 6020 - Quality in Health Care
PATH 6250 - Genetics for Clinicians

RESEARCH AND DESIGN COURSES:

9 credits total of the following required:

I: Fundamentals of Critical Inquiry NH 6899
II: Research and Design MLS 6500
III: Research Capstone MLS 6600

NOTE: An asterisk (*) indicates
NAACLS ACCREDITED PROFESSIONAL
COURSE. Rev: 08/30/2024-MNS