

MASTER OF SCIENCE IN MEDICAL LABORATORY SCIENCE

Track 1

Academic Year: 2019-2020

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 or STAT 211	3	MMG 222 (Clinical Microbiology)*	4
GRNS 322 (Org, Delivery, and Financing of Health Care)**	3	&MLS 389 Research and Design I	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 310 (Advanced Immunobiology)	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: 14</i>		<i>Total Credits: 16</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)
 GRNS 322 (Org, Delivery, and Financing of Health Care)
 CTS 302 (Quality in Health Care)
 PATH 325 (Genetics for Clinicians)

RESEARCH METHOD AND DESIGN COURSES:

9 credits total of the following required:

I: &Evidence Based Practice MLS 389 OR NH 396
 II: Scientific Writing and Communication MLS 390
 III: Capstone Project MLS 391

NOTE: An asterisk (*) indicates
 NAACLS ACCREDITED PROFESSIONAL COURSE.
 ** Course may be taken in the Fall of the second year
 Rev: 06/17/19 pd