

## MEDICAL LABORATORY SCIENCE | Public Health Laboratory Science Concentration | 2017-2018

### FIRST YEAR

<u>Fall Semester</u>	<u>Credits</u>	<u>Spring Semester</u>	<u>Credits</u>
CHEM 031 General Chemistry 1	4	CHEM 032 General Chemistry 2	4
ENGS 001 Written Expression	3	MLRS 034 Human Cell Biology	4
HLTH 003 Medical Terminology	2	Elective/Diversity Courses <sup>2</sup>	6
MATH 019 Fundamentals of Calculus I (or higher)	3		
NH 050 Applications to Health	1		
Elective/Diversity Course <sup>2</sup>	3		
<i>Total Credits:</i>	<i>16</i>	<i>Total Credits:</i>	<i>14</i>

### SECOND YEAR

<u>Fall Semester</u>	<u>Credits</u>	<u>Spring Semester</u>	<u>Credits</u>
ANPS 019 Ugr Hum Anatomy & Physiology	4	ANPS 020 Ugr Hum Anatomy & Physiology	4
MMG 101 Microbiology & Infectious Disease	4	CHEM 042 Intro Organic Chemistry	4
STAT 141 Basic Statistical Methods	3	MMG 222 Clinical Microbiology I <sup>1</sup> (offered every other year) or elective	4
NH 120 Health Care Ethics	3		
Elective/Diversity Course <sup>2</sup>	3	Elective/Diversity Course <sup>2</sup>	3
<i>Total Credits:</i>	<i>17</i>	<i>Total Credits:</i>	<i>15</i>

### THIRD YEAR

<u>Fall Semester</u>	<u>Credits</u>	<u>Spring Semester</u>	<u>Credits</u>
Elective <sup>2</sup>	4	MMG 222 Clinical Microbiology I <sup>1</sup> (offered every other year) or elective	4
STAT 200 Med Biostatistics & Epidemiology	3	MLRS 242 Immunology <sup>1</sup> or MMG 223 Immunology <sup>1</sup>	3
PATH 101 Intro to Human Disease	3	MLRS 244 Immunology lab <sup>1</sup>	1
BIOC XXX Fundamentals of Biochemistry	3	BCOR 101 Genetics	3
MLRS 281 Applied Molecular Biology	3	Elective <sup>2</sup>	4
MLRS 282 Applied Molecular Biology Lab	1		
<i>Total Credits:</i>	<i>17</i>	<i>Total Credits:</i>	<i>15</i>

### FOURTH YEAR

<u>Fall Semester</u>	<u>Credits</u>	<u>Spring Semester</u>	<u>Credits</u>
HLTH 105:D2 Cultural Health Care or HSCI 102	3	MLS 250 Clinical Practicum: Microbiology <sup>1</sup> or Elective <sup>2</sup>	3
MLRS 297 Leadership & Mgt in Healthcare <sup>1</sup>	3	MLS 282 Public Health Lab Practicum <sup>1</sup>	12
NFS 203 Food Micro	3		
MLS 255 Clinical Microbiology II <sup>1</sup>	3		
<i>Total Credits:</i>	<i>12</i>	<i>Total Credits:</i>	<i>15</i>

- A minimum of 121 semester credit hours, minimum GPA per program requirement, and University sustainability and diversity fulfillment are required for graduation. This model is designed to meet all course requirements. Changes should be reviewed with a student's academic advisor.
- <sup>1</sup> Professional course
- <sup>2</sup> For the public health science concentration, students must take six credits of department-approved electives in the area of Public Health. Students must obtain a list of approved elective courses for each respective academic year from their academic advisor.