

**POST-BACCALAUREATE CERTIFICATE IN MEDICAL LABORATORY SCIENCE****CHEMISTRY (CMLS-C) PROGRAM (25 credits)**

<b>FALL SEMESTER</b>		<b>Hrs.</b>
BLS 4110	MEDICAL BIOCHEMISTRY I	3
MLS 4150	ANALYTICAL CHEMISTRY LAB	2
BLS 4411	FUNDAMENTALS OF IMMUNOLOGY	2
<b>TOTAL</b>		<b>7</b>

<b>SPRING SEMESTER</b>		<b>Hrs.</b>
BLS 3110	URINALYSIS AND BODY FLUIDS	2
MLS 3150	URINALYSIS AND SEROLOGY LAB	1
BLS 4120	MEDICAL BIOCHEMISTRY II	2
BLS 4130	PRINCIPLES AND TECHNIQUES IN MOLECULAR BIOLOGY	1
MLS 3210	CLINICAL EDUCATION AND LAB MANAGEMENT	2
MLS 3400	LABORATORY OPERATIONS	1
MLS 4161	MOLECULAR BIOLOGY LAB	1
BLS 4420	MEDICAL IMMUNOLOGY	2
<b>TOTAL</b>		<b>12</b>

<b>SUMMER/FALL SEMESTER</b>		<b>Hrs.</b>
MLS 4620	ADVANCED TOPICS AND CASE CORRELATIONS - CLINICAL CHEMISTRY	1
MLS 4701	CLINICAL CHEMISTRY PRACTICUM	3
MLS 4710	CLINICAL CHEMISTRY TESTING	1
MLS 4821	CLINICAL URINALYSIS & PHLEBOTOMY PRACTICUM	1
<b>TOTAL</b>		<b>6</b>

Practicum consists of: Routine Testing Chemistry - 3 weeks, Special Chemistry Testing - 2 weeks, Urinalysis & Phlebotomy - 1 week. **Total = 6 weeks.**