

## B.S. Medical Laboratory Science 3+1 SML8 Degree

*This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.*

### First Year

Fall

Course	Prerequisite	Credit
UN 1015 Composition		3
MA 3715 Biostats	Yes	3
BL 1710 Medical Terminology		1
CH 1150 University Chem I	Yes	3
CH 1151 University Chem Lab 1	Yes	1
Essential Education: Michigan Tech Seminar BL 1600		1
Essential Education: Foundations of the Human World		3
<b>Total</b>		<b>15</b>

Spring

Course	Prerequisite	Credit
BL 1200 General Biology II		3
BL 1210 General Biology II Lab		1
CH 1160 University Chemistry II	Yes	3
CH 1161 University Chemistry II Lab	Yes	1
Essential Education: Shape Elective		3
Essential Education: Arts and Culture		3
Essential Education: Activities for Well-being and Success		1
<b>Total</b>		<b>15</b>

### Second Year

Fall

Course	Prerequisite	Credit
BL 2410 Basic Medical Laboratory Techniques	Yes	3
CH 2410 Organic Chemistry I	Yes	3
BL 3640 General Immunology	Yes	3
BL 2010 Anatomy and Physiology I	Yes	3
BL 2011 Anatomy and Physiology I Lab	Yes	1
Essential Education: Communication Intensive		3
Essential Education: Activities for Well-being and Success		1
<b>Total</b>		<b>17</b>

Spring

Course	Prerequisite	Credit
BL 3600 Clinical Practicum and Career Prep		1
BL 2200 Genetics	Yes	3
BL 2020 Anatomy and Physiology II	Yes	3
BL 2021 Anatomy and Physiology II Lab	Yes	1
BL 3611 Phlebotomy	Yes	1
Essential Education: Intercultural Competency		3
Essential Education: Experience		3
Essential Education: Activities for Well-being and Success		1
<b>Total</b>		<b>16</b>

### Third Year

Fall

Course	Prerequisite	Credit
BL 3210 General Microbiology	Yes	4
BL 3025 Biochemistry for Health Professions	Yes	3
BL 3900 Urinalysis and Body Fluids	Yes	1
BL 4640 Clinical Immunology and Serology	Yes	3
BL 4720 Hematology and Hemostasis	Yes	4
BL 4725 Immunohematology	Yes	3
<b>Total</b>		<b>18</b>

Spring

Course	Prerequisite	Credit
BL 3230 Medical Bacteriology	Yes	5
BL 3800 Mycology, Virology, Parasitology	Yes	2
BL 4550 Clinical Chemistry	Yes	4
BL 4980 MLS Core Concepts and Integration	Yes	2
BL 4980 Molecular Diagnostics	Yes	4
<b>Total</b>		<b>17</b>

### Fourth Year

Fall

Course	Prerequisite	Credit
BL 4610 Clinical Practicum I	Yes	12
<b>Total</b>		<b>12</b>

Spring

Course	Prerequisite	Credit
BL 4611 Clinical Practicum II	Yes	12
<b>Total</b>		<b>12</b>

**Grand Total = 122 Credits**

