



Curriculum Outline

Summer/Fall Term

SECTION 1 - Chemistry

Clock Hours

Course	Course Title	Lecture	Lab	Clinical	Total
MLS 5501	Chemistry I	27	56	35	118
MLS 5502	Chemistry II	24	48	35	107
SECTION TOTAL					225

SECTION 2 - Hematology

Clock Hours

Course	Course Title	Lecture	Lab	Clinical	Total
MLS5201	Hematology I	18	32	35	85
MLS5202	Hematology II	15	30	35	80
MLS5203	Hemostasis and Thrombosis	9	16	17	42
MLS5204	Urinalysis & Body Fluid Analysis	8	16	18	42
SECTION TOTAL					249

Spring Term

SECTION 3 - Bacteriology

Clock Hours

Course	Course Title	Lecture	Lab	Clinical	Total
MLS5101	Bacteriology I	15	30	35	80
MLS5102	Bacteriology II	15	34	35	84
MLS5103	Mycology & Mycobacteriology	11	16	17	44
MLS5104	Parasitology	8	16	18	42
SECTION TOTAL					250

SECTION 4 – Immunopathology

Clock Hours

Course	Course Title	Lecture	Lab	Clinical	Total
MLS5301	Immunopathology I	16	30	35	81
MLS5302	Immunopathology II	8	24	35	67
SECTION TOTAL					148

SECTION 5 - Immunohematology

Clock Hours

Course	Course Title	Lecture	Lab	Clinical	Total
MLS5401	Immunohematology I	18	22	35	75
MLS5402	Immunohematology II	16	32	35	83
SECTION TOTAL					158

SECTION 6 – Laboratory Operations

Clock Hours

Course	Course Title	Lecture	Lab	Clinical	Total
MLS5601	Laboratory Operations I	15	43	35	93
MLS5602*	Laboratory Operations II	32	28	35	95
MLS5603	Laboratory Operations III	12	35	0	47
SECTION TOTAL					235



Cleveland Clinic

School of Health Professions

Medical Laboratory Science Program

SECTION 7 – Molecular Diagnostics			Clock Hours		
Course	Course Title	Lecture	Lab	Clinical	Total
MLS5701	Molecular Diagnostics	10	22	35	67
SECTION TOTAL					67
TOTAL CLOCK HOURS					1332

*Year-Round Course