

Required Courses for the AAS Degree in Medical Laboratory Technology

Columbus State Community College Plan of Study Allied Health Professions Medical Laboratory Technology				Name _____ Student # _____ Date Entered _____ Advisor _____																							
FIRST SEMESTER (Summer)				SECOND SEMESTER (Autumn)				THIRD SEMESTER (Spring)																			
MLT 1100 Basic Concepts in Health Care	T	2		MLT 1110 Intro to MLT Lecture	T	1		MLT 1130 Immunology Lecture	T	1																	
MLT 1112 Lab Theory for Health Industries	T	2		MLT 1111 Intro to MLT Lab	T	1		MLT 1131 Immunology Lab	T	1																	
MLT 1113 Lab Techniques for Health Industries	T	1		MLT 1120 Hematology I Lecture	T	2		MLT 2250 Body Fluids Lecture	T	2																	
BIO 1101 Fundamentals of Human Anatomy & Physiology	G	3		MLT 1121 Hematology I Lab	T	2		MLT 2251 Body Fluids Lab	T	1																	
COLS 1100 First Year Experience Seminar	B	1		MLT 1140 Clinical Chemistry Lecture	T	1		MLT 2260 Clinical Microbiology Lecture	T	3																	
HIMT 1274 Intro Medical Coding & Reimbursement	B	2		MLT 1141 Clinical Chemistry Lab	T	1		MLT 2261 Clinical Microbiology Lab	T	3																	
MULT 1916 Venipuncture for HC Providers	B	2		BIO 2215 Introduction Microbiology	B	4		ENGL 1100 Composition I	G	3																	
TOTAL		13		TOTAL		16		TOTAL		14																	
FOURTH SEMESTER (Summer)				FIFTH SEMESTER (Autumn)				PREADMISSION REQUIREMENTS																			
MLT 2270 Immunohematology Lecture	T	2		MLT 2800 MLT Clinical Seminar	T	1		Need to be completed prior to admission to the MLT Program: •Placement into CHEM 1113. •Placement into BIO 2215. •Placement into STAT 1350. •Placement into ENGL 1100. •Placement into "No Reading Required". •GPA of 2.5 or higher through most recently completed coursework. •Acceptance is conditional on submission and clearance of student background check and drug screening. •Students may be required to complete a Basic Entrance Exam. •A minimum grade of "C" or higher is required in each Basic Studies and Technical Studies Requirements.																			
MLT 2271 Immunohematology Lab	T	2		MLT 2900 MLT Clinical Practicum	T	2																					
MLT 2280 Hematology II Lecture	T	1		HUM XXXX (Select from list on back)	G	3																					
MLT 2281 Hematology II Lab	T	1		COMM 2200 Business Communication	B	3																					
MLT 2290 Medical Lab Case Correlations	T	1																									
SBS XXXX Select from list on back	G	3																									
STAT 1350 Elementary Statistics	G	3																									
TOTAL		13		TOTAL		9																					
GRADUATION REQUIREMENTS				<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">G = General Education</td> </tr> <tr> <td colspan="2">B = Basic Education</td> </tr> <tr> <td colspan="2">T = Technical Education</td> </tr> <tr> <td style="text-align: right;">Total General Ed.</td> <td style="text-align: right;">15</td> </tr> <tr> <td style="text-align: right;">Total Basic</td> <td style="text-align: right;">16</td> </tr> <tr> <td style="text-align: right;">Total Non-Technical</td> <td style="text-align: right;">31</td> </tr> <tr> <td style="text-align: right;">Total Tech. Ed.</td> <td style="text-align: right;">34</td> </tr> <tr> <td style="text-align: right;">TOTAL CREDITS</td> <td style="text-align: right;">65</td> </tr> </table>								G = General Education		B = Basic Education		T = Technical Education		Total General Ed.	15	Total Basic	16	Total Non-Technical	31	Total Tech. Ed.	34	TOTAL CREDITS	65
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Courses to be completed at the University of Cincinnati for the Bachelor of Science, Major: Medical Laboratory Science

MLSC 3054	Clinical Fluids Analysis	2 credit hours
MLSC 3053	Clinical Immunology	3 credit hours
MLSC 3052	Special Topics Medical Lab Science	2 credit hours
MLSC 4059	Special Microbiology (Myco/Viro/Parasit)	3 credit hours
MLSC 4060	Clinical Microbiology	3 credit hours
MLSC 4061	Advanced Microbiology	3 credit hours
MLSC 4062	Principles of Immunohematology	3 credit hours
MLSC 4063	Advanced Immunohematology	4 credit hours
MLSC 3055	Statistics	2 credit hours
MLSC 4051	Clinical Chemistry	3 credit hours
MLSC 4066	Advanced Clinical Chemistry	3 credit hours
MLSC 4050	Diagnostic Molecular Biology	3 credit hours
MLSC 4057	Hematology	3 credit hours
MLSC 4068	Advanced Hematology	4 credit hours
MLSC 3056	Hemostasis	1 credit hour
MLSC 4069	Advanced Clinical Practice	6 credit hours
MLSC 3963	Advanced Laboratory Concepts	2 credit hours
MLSC 3051	Laboratory Operations	2 credit hours
MLSC 4058	MLS Laboratory Capstone	2 credit hours
MLSC 4071	Advanced Clinical Correlations	6 credit hours

Total Credit hours at UC

60 credit hours

Notes about the Medical Laboratory Science Major

- Students need to be graduates of the AAS degree in Medical Laboratory Technology from an NAACLS accredited program.
- Students must have a 2.5 cumulative GPA, a completed application packet, have three letters of reference, provide proof of ACSP certification as an MLT, and completed letter of intent, essential function and health forms to apply to the MLS degree program.
- **The program is entirely online, except for the clinical practicum.** During the clinical rotation training experiences, students perform hands-on advanced clinical training tasks under the supervision of an on-site clinical preceptor. The MLS Program and the student work together in identifying an appropriate clinical laboratory that will serve as a clinical training site. In some cases, more than one clinical training site may be needed to ensure all required competencies. Students should contact the program for more information.
- **UC General Education:** UC General Education requirement for the bachelor's degree is fulfilled with the AAS MLT degree course work. The AAS MLT degree will be transferred in its entirety to the UC bachelor's degree program up to a maximum of 60 credit hours.
- Students must complete a total of 120 credit hours and a cumulative GPA of 2.25 to earn the bachelor's degree. Graduates are eligible to sit for the BOC exam for the MLS (ASCP) credential.