

AAS in Clinical Laboratory Sciences Course List 2025-26

Courses (72 hours total): *Must have a C or better; **Must have a B or better	Semester offered			Pre-requisite(s)
	Fall	Spring	Summer	
CLS 1003/MLSC 11003 Making Connections (not required for transfer students)	x			
General Education (19 hours)				
*MATH 1023/MATH 11003- College Algebra (or any MATH course that requires MATH 1023 as a prerequisite)	x	x	x	
*ENG 1003/ENGL 10103 Composition I	x	x	x	
*ENG 1013/ENGL 10203 Composition II	x	x	x	
*BIO 2101+2103/BIOL 20001+20003 - Microbiology for Nursing and Allied Health + Lab	x	x		
3 hours of computer applications	x	x	x	
3 hours of US History/Government	x	x	x	

Major Core Courses/Program Pre-requisites (11 hours):

*BIO 2221+2223/BIOL 24101+24103 - Human Anatomy and Physiology II + Lab	x	x	x	
*CHEM 1011+1013/14201+1 4203 - General Chemistry I + lab	x	x	x	
**CLS 1511+1512/MLSC 11541+11532 - Principles of Clinical Laboratory Science + Lab	x	x		

CLS Program (28 hours) – Application Required by April 15th

*CLS 2521+2523/MLSC 22581+22553 - Hematology I + Lab	x			CLS 1511+1512/MLSC 11541+11532
*CLS 2541+2543/MLSC 22541+22543 - Clinical Chemistry I + Lab	x			CHEM 1011+1013/ 14201+14203
				CLS 1511+1512/MLSC 11541+11532
*CLS 2571+2573/MLSC 22571+22573 - Clinical Immunology and Serology + Lab	x			BIO 2221+2223/BIOL 24101+24103
*CLS 1521+1531/MLSC 11531+21101 - Urine and Body Fluid Analysis + Lab		x		CLS 1511+1512/MLSC 11541+11532
*CLS 2531+2533/MLSC 22531+22533 - Medical Microbiology I + Lab		x		BIO 2101+2103/BIOL 20001+20003

*CLS 3511+3512/MLSC 42141+42142 - Medical Parasitology + Lab		x		BIO 2101+2103/BIOL 20001+20003
*CLS 2561+2563/MLSC 22561+22563 - Immunohematology I + Lab		x		CLS 2571+2573/MLSC 22571+22573
				CLS 2521+2523/MLSC 22581+22553
				BIO 2221+2223/BIOL 24101+24103
*CLS 2551/MLSC 22551 - MLT Seminar (taken with the practicums)	x		x	CLS 2561+2563/MLSC 22561+22563
Clinical Practicums (14 hours) – summer or fall, taken in any order				
*CLS 2514/MLSC 22534 - Clinical Practicum I (Clinical Chemistry)	x	x	x	CLS 2541+2543/MLSC 22541+22543
*CLS 2524/MLSC 22544 - Clinical Practicum II (Hematology)	x	x	x	CLS 2521+2523/MLSC 22581+22553
				CLS 1521+1531/MLSC 11531+21101
*CLS 3514/MLSC 33504 - Clinical Practicum III (Medical Microbiology)	x	x	x	CLS 2531+2533/MLSC 22531+22533
*CLS 3524/MLSC 33604 - Clinical Practicum IV (Blood Bank)	x	x	x	CLS 2561+2563/MLSC 22561+22563

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