BS in Clinical Laboratory Sciences Course List 2025-26

Courses (123 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 (35 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	
*CHEM 1011+1013/14201+14203 - General Chemistry I + lab	x	x	x	
*BIO 2101+2103/BIOL 20001+20003 - Microbiology for Nursing and Allied Health + Lab	x	x		
3 hours of Fine Arts	x	x	x	

3 hours of Humanities	x	x	x	
3 hours of Departmental Option (Oral Com, Arts, Humanities, or Social Sciences)	x	x	x	
9 hours of Social Sciences including one course of HIST 2763, HIST 2773, or POSC 2103	x	x	x	

Major Core Courses/Program Pre-requisites (18 hours):

*BIO 2201+2203/BIOL 24001+24003 - Human Anatomy and Physiology I + Lab	x	x	x	
*BIO 2221+2223/BIOL 24101+24103 - Human Anatomy and Physiology II + Lab	x	x	x	BIO 2201+2203/ BIOL 24001+24003
*CHEM 1021+1023/14201+14203 - General Chemistry II + Lab	x	x	x	CHEM 1011+1013/ 14201+14203
*CHEM 3003/33003 - Survey of Organic Chemistry (OR CHEM 3103/36053)	x			CHEM 1021+1023/ 14201+14203
**CLS 1511+1512/MLSC 11541+11532 - Principles of Clinical Laboratory Science + Lab	x	x		

CLS Program (67 hours) – Application Required by April 15th

Year 1:

*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 1511+1512/ MLSC 11541+11532
*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
*HP 3123/HPMT 33103 - Intro to Disease	x	x		
Year 2:				
*CLS 3112/MLSC 33102 - Laboratory Quality Management	x		x	CLS 2541+2543/ MLSC 22541+22543

*CLS 4441+4443/MLSC 44101+44103 - Medical Microbiology II + Topics	x			CLS 2531+2533/ MLSC 22531+22533 CLS 3511+3512/ MLSC 42141+42142
*CLS 4331+4333/MLSC 44331+44333 - Immunohematology II + Topics	x			CLS 2561+2563/ MLSC 22561+22563
*CLS 4222/MLSC 44302 - Senior Seminar I	x			CLS 2561+2563/ MLSC 22561+22563
*CLS 3221+3223/MLSC 33201+33203 - Hematology II + Lab		x		CLS 2521+2523/ MLSC 22581+22553
*CLS 4111+4113/MLSC 44101+44103 - Clinical Chemistry II + Topics course		x		CLS 2541+2543/ MLSC 22541+22543
*CLS 3153/MLSC 33153 - Clinical Biochemistry		x		CHEM 3003/33003 or CHEM 3103/36053
*CLS 4232/MLSC 44232 - Senior Seminar II		x		CLS 2561+2563/ MLSC 22561+22563
Clinical Practicums – starts in year 2, taken in any order				
*CLS 4173/MLSC 44173 - Clinical Practicum I (Clinical Chemistry)	x	x	x	CLS 2541+2543/ MLSC 22541+22543
*CLS 4183/MLSC 44183 - Clinical Practicum II (Hematology)	x	x	x	CLS 2521+2523/ MLSC 22581+22553 CLS 1521+1531/ MLSC 11531+21101
*CLS 4194/MLSC 44194 - Clinical Practicum III (Medical Microbiology)	x	x	x	CLS 2531+2533/ MLSC 22531+22533

*CLS 4204/MLSC 44204 - Clinical Practicum IV (Blood Bank)	x	x	x	CLS 2561+2563/ MLSC 22561+22563

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