



**Course Sequence Guide for Full-Time Enrollment | Method of Entry - Associate in Science
Clinical Laboratory Science
Bachelor of Applied Science | Code: P9211 | 130 credits
Effective Term: Fall 2024 (2247)**

Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites
HSC 3655	Theoretical Foundations of Health Care Ethics	3	
MLS 4621	Clinical Biochemistry	4	
MLS 4795	Laboratory Operations and Management	3	
Social Science (GE)	AMH 2010, AMH 2020, ANT 2000, ANT 2410, CLP 1006, DEP 2000, ECO 2013, ISS 1120, ISS 1161, POS 2041, PSY 2012, SYG 2000, WHO 2012, WHO 2022	3	
Low Division Electives	CHM 1020, CHM 1020L, CHM 1033, CHM 1033L, CHM 1045, CHM 1045L, CHM 1046, CHM 1046L, CHM 1941, CHM 1949, CHM 2124C, CHM 2200, CHM 2200L, CHM 2210, CHM 2210L, CHM 2211, CHM 2211L, CHM 2949	4	
Semester Credits		17	

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites
MLS 4306	Clinical Hematology	3	
MLS 4335	Clinical Hemostasis	3	
MLS 4506	Clinical Immunology	3	
ENC 1102 (GE)	English Composition 2	3	
Low Division Electives	BSC 1005, BSC 1005L, BSC 1030, BSC 1050, BSC 1084, BSC 1949, BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, BSC 2020, BSC 2085, BSC 2085L, BSC 2086, BSC 2086L, BSC 2250, BSC 2423C, BSC 2426, BSC 2426L, BSC 2427, BSC 2943L, BSC 2949	5	
Semester Credits		17	

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites
MLS 4221	Clinical Urinalysis	3	
HSC 3701	Leadership and Management in Healthcare	3	
Humanities (GE)	ARC 2701, ARC 2702, ARH 1000, ARH 2050, ARH 2051, ARH 2740, DAN 2100, DAN 2130, HUM 1020, IND 1100, IND 1130, LIT 200, LIT 2120, MUH 2111, MUH 2112, MUL 1010, MUL 2380, PHI 2010, PHI 2604, THE 2000	3	
Low Division Electives	BSC 1005, BSC 1005L, BSC 1030, BSC 1050, BSC 1084, BSC 1949, BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, BSC 2020, BSC 2085, BSC 2085L, BSC 2086, BSC 2086L, BSC 2250, BSC 2423C, BSC 2426, BSC 2426L, BSC 2427, BSC 2943L, BSC 2949	5	
Semester Credits		13	

Semester 4

Course ID	Course Title	Credits	Pre/Co-requisites
MLS 4193	Clinical Molecular Diagnostics	3	
MLS 4630	Clinical Chemistry	3	
MLS 4461	Clinical Diagnostic Microbiology	3	
Oral Communication (GE)	ENC 2300, LIT 2480, SPC 1017, SPC 2608	3	
Mathematics (GE)	MAC*, MAD*, MAP*, MAS*, MGF*, MTG 2204, QMB 2100, STA 2023	3	
Semester Credits		15	

Semester 5

Course ID	Course Title	Credits	Pre/Co-requisites
ML S4552	Clinical Immunohematology	3	
HSC 3057	Research Methods and Issues in Health Science	3	
MLS 3150	Medical Laboratory Science Special Topics	3	
Low Division Electives	CHM 1020, CHM 1020L, CHM 1033, CHM 1033L, CHM 1045, CHM 1045L, CHM 1046, CHM 1046L, CHM 1941, CHM 1949, CHM 2124C, CHM 2200, CHM 2200L, CHM 2210, CHM 2210L, CHM 2211, CHM 2211L, CHM 2949	5	
Electives	Check with an advisor for appropriate selection	6	
	Semester Credits	20	
	Program Total	*82	

Academic Pathway at MDC: BAS in Clinical Laboratory Science. To learn more about program courses, see the [College Catalog](#).

*27 credits will be awarded to students through a validation process that captures the MLT courses from the AS degree. 21 credits of general education will have been completed in the AS degree.