



The curriculum leading to the Bachelor of Science in Clinical Laboratory Sciences degree emphasizes biology and chemistry. The program involves three years of study on campus and one year of study at an approved hospital or medical center. Acceptance into an affiliated hospital is decided entirely by the hospital and is based on 1) the quality of academic work completed by the student in the first three years, 2) letters of recommendation, and 3) in most cases, personal interviews. Upon successful completion of the clinical program, a Bachelor of Science in Clinical Laboratory Sciences degree is received.

The University is affiliated with several hospitals. There is one located in Iowa – Mercy Medical Center in Des Moines, two located in the Kansas City, Missouri area – North Kansas City Hospital and St. Luke’s Hospital of Kansas City, and one located in Omaha, Nebraska – Methodist Hospital.

Term 1	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
77-101	University Seminar		1	
04-106/107	Principles of Biology & Lab		4	
24-114/115	General Chemistry I & Lab		4	
10-111	Composition I		3	
	Social & Behavioral Science		3	
Total Hours			15	
Term 2	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
10-112	Composition II	Composition I	3	
04-114/115	General Zoology & Lab	Principles of Biology & Lab	4	
24-116/117	General Chemistry II & Lab	General Chemistry I & Lab	5	
17-114	General Statistics	An ACT Math score of 22 or higher, high school GPA of 3.0 or higher, or concurrently with Strategies for General Statistics	3	General Statistics OR Cell Biology OR Molecular Biology (SPRING ODD YEAR). Only one of three required, but recommended to take two of the three options
Total Hours			15	
Term 3	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
24-322/323	Analytical Chemistry & Lab	General Chemistry II & Lab	4	
04-350	Genetics	Principles of Biology & Lab	4	
	Civics: Political Science		3	
29-102	Fundamentals of Oral Communication		3	
17-116 OR 17-117 OR 17-120	Mathematical Modeling OR Precalculus Algebra OR Calculus I	Precalculus Algebra: ACT Math score of 22 or higher, score of PASS on NW Algebra Review OR concurrent with Strategies for Precalculus Algebra Calculus I: Precalculus OR Precalculus Algebra AND Trigonometry	3-4	
Total Hours			17-18	

1 = a milestone course completed by end of year 1 to remain on pace to finish degree requirements in four years.

2 = a milestone course completed by end of year 2 to remain on pace to finish degree requirements in four years.

3 = a milestone course completed by end of year 3 to remain on pace to finish degree requirements in four years.

4 = a milestone courses taken in final year to complete degree requirements.



Term 4	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
25-112/113	General Physics II & Lab	Mathematical Modeling OR Precalculus OR Precalculus Algebra	4	
04-140	General Microbiology	Principles of Biology AND General Chemistry I & Lab	4	
	Civics: History		3	
10-220	Intro to Literature		3	
	Digital Literacy		3	
Total Hours			17	
Term 5	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
24-342/343	Organic Chemistry I & Lab	General Chemistry II & Lab	4	FALL ONLY COURSE
04-438	Human Physiology	Cell Biology	4	Recommended prerequisite: Medical Terminology and either Allied Anatomy OR Human Anatomy OR Comparative Anatomy
	Humanities		3	
	Social and Behavioral Sciences		3	
Total Hours			14	
Term 6	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-444	Immunology	Microbiology AND General Chemistry I & Lab	5	SPRING ONLY COURSE
24-362/363	Elementary Biochemistry & Lab	Organic Chemistry I & Lab	4	SPRING ONLY COURSE
	Fine Art		3	
	Humanities		3	
Total Hours			15	
Clinical Laboratory Courses				
In conjunction with approved hospitals and medical centers. The fourth year is spent in the hospital and involves 10 months of training. Upon successful completion of the clinical year, 30 hours of academic credit is received.				
Total Hours			30	

1 = a milestone course completed by end of year 1 to remain on pace to finish degree requirements in four years.

2 = a milestone course completed by end of year 2 to remain on pace to finish degree requirements in four years.

3 = a milestone course completed by end of year 3 to remain on pace to finish degree requirements in four years.

4 = a milestone courses taken in final year to complete degree requirements.