

College of DuPage

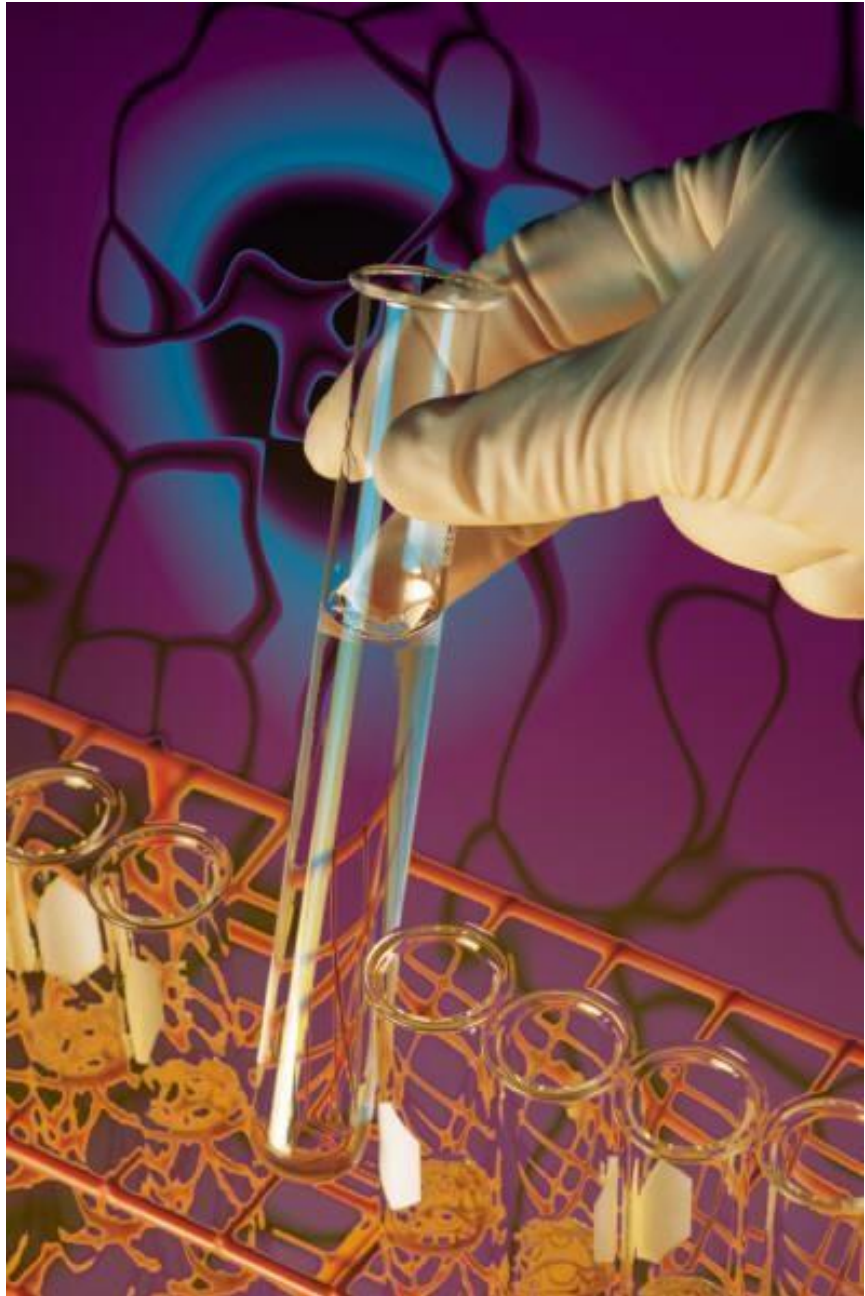
Clinical

Laboratory

Science

Transfer

Program



Revised 9/18/19

College of DuPage Clinical Laboratory Science (CLS) Transfer Program



Overview

The Clinical Laboratory Scientist (CLS) or Medical Laboratory Scientist (MLS) performs a variety of laboratory tests that help physicians evaluate, diagnose the presence of disease, and monitor medical treatment. Many of the complex laboratory test results help uncover diseases such as AIDS, diabetes, leukemia and many others.

The CLS/MLS is responsible for verifying accuracy of test results on specimens that include blood and other body fluids. A CLS/MLS operates highly complex biomedical instrumentation that interface with computers to produce accurate, reliable test results.

A CLS/MLS is a problem-solver who works well under pressure. Individuals in this profession must possess good communication skills, as they interact with physicians, nurses, and other health professions as they work as a team to offer exceptional patient care.

Career Opportunities:

A CLS/MLS has various professional opportunities including; hospitals labs, independent labs, research labs, outpatient clinics, public health facilities, forensic medicine and pharmaceutical sales. Additional opportunities available in molecular diagnostics and molecular biotechnology.

A career in CLS/MLS is listed as one of the top twenty jobs available today. The median national pay in 2018 was \$25.16 per hour or \$52,330 annually. Employment of medical laboratory technologists and technicians is projected to grow 11 % nationally from 2018 to 2028. An increase in the aging population is expected to lead to a greater need to diagnose medical conditions, such as cancer or type 2 diabetes, through laboratory procedures, however half of all laboratories nationwide will struggle to hire qualified laboratory personnel. The U.S. Department of Health and Human Services reports that by 2018, 331,700 lab professionals will be needed. Hiring qualified staff to replace retired workers will prove tough with fewer people becoming trained. Job prospects will be best for medical and clinical laboratory technologists and technicians who complete an accredited education program and earn professional certification. For more information about the job outlook for clinical lab science click on the following website: <https://www.bls.gov/ooh/healthcare/clinical-laboratory-technologists-and-technicians.htm>

College of DuPage CLS Transfer Program

College of DuPage offers a transfer program in Clinical Laboratory Science/Medical Laboratory Science in partnership with Northern Illinois University (NIU) and Illinois State University (ISU). Students complete an Associate in Science (AS) at College of DuPage and transfer into a Clinical Laboratory Science/Medical Laboratory Science program as a junior at one of the affiliated colleges. Requirements may vary among institutions; students should consult an adviser before completing an AS degree. Student must be able to complete the bachelor degree at the transfer University on a full time basis.

Mission Statement

The goal of the CLS/MLS Transfer Program is to provide students with the general education courses as well as didactic and laboratory experiences in required sciences in preparation for transfer to complete a Bachelor of Science. Upon completion of the AS degree at College of DuPage and the Bachelor of Science (BS) degree from the transfer university students are able to sit for the certifying exam through the American Society of Clinical Pathology (ASCP).

Course Requirements

CLS is an intensive program heavily based in science and math. Students should begin by completing the Reading/Writing Placement tests to determine course selection in English and the Math Placement test to determine appropriate level of math.

General Education Requirements and Transfer Curriculum include:

<u>Course</u>	<u>Description</u>	<u>Credit Hours</u>
English 1101	Composition	3
English 1102	Composition	3
Speech 1100	Fundamentals of Speech	3
Humanities & Fine Arts	3 courses	9
Soc & Behavioral Sciences	3 courses	9
Chem 1211	Survey of General Chemistry	5
Chem 1212	Organic Chemistry	5
Chem 1551	Principles of Chemistry	5
Chem 1552	Principles of Chemistry	5
*A&P 1500	Survey of A&P	4
Bio 1151	Principles of Biology	5
Bio 1152	Principles of Biology	5
Micro 1420	Microbiology	4
**Math 1428 or	College Algebra	3
**Math 1431	Precalculus	5
Math 1635	Finite Math/Statistics	4
Health Science 1110	Biomedical Terminology	3
Health Science 1120	Intro to CLS	3

* NIU requires this course, ISU does not

** Math requirement may vary depending on transfer institution

Transfer Agreements

College of DuPage currently has transfer agreements with Northern Illinois University (NIU) and Illinois State University (ISU). Students must be able to commit to a full time schedule at the transfer institution.

NOTE: There may be specific courses required by each university not listed above. Contact an adviser from the transfer institution for specific courses necessary for transfer.

CLS Sample Educational Plan

Fall Semester	Course	Credits	Comments
	English 1101	3	Score in reading category 1
	Speech 1100	3	
	Math 0482	5	Depending on Math placement score
	HLTHS 1110	3	If no HS chemistry
	Humanities/FA	3	
Total Credits		17	

Spring Semester	Course	Credits	Comments
	HLTHS 1120	3	
	*Chem 1211	5	
	Math 1428/1431	3/5	
	Biology 1551	5	
Total Credits		16/18	

Summer Semester	Course	Credits	Comments
	Chem 1212	5	
	English 1102	3	
Total Credits		8	

Fall Semester	Course	Credits	Comments
	Chem 1551	5	
	Biology 1552	5	
	Math 1635	4	
	Soc./Behavioral	3	
Total Credits		17	

Spring Semester	Course	Credits	Comments
	Chem 1552	5	
	Micro 1420	4	
	**A&P 1500	4	
	Soc./Behavioral	3	
Total Credits		16	

Summer Semester	Course	Credits	Comments
	Soc/Behavioral	3	
	Humanities/FA	3	
	Humanities/FA	3	
Total Credits		9	

Transfer Information

CLS/MLS is a limited admissions program at the transfer institution. Students may enter transfer programs in the fall only; applications are often due as early as Feb. 1. Notification of admission status is often made available by March 1. In order to be considered for admission all math and science courses must be completed prior to applying to transfer. Transfer institution curriculum include core courses and a clinical experience at an affiliated site. Length of the clinical experience may vary between institutions.

Clinical Laboratory Science Advising Sessions

Clinical Lab Science advising sessions are held monthly and on an individual basis. Students should attend an advising session before beginning any course work. Students are encouraged to continue working with an advisor on a regular basis to review academic course work and plan for transfer.

Program Information Disclaimer

This program information packet is published for that purpose; however, the information in this packet is not to be regarded as an irrevocable contract between the student and the program. The program reserves the right to change, at any time, without notice, requirements, fees and other charges, curriculum, course structure and content, and other such matters as may be within its control, notwithstanding any information set forth in the program information packet in accordance with the College of DuPage policies and procedures.

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