

BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCE DAO

Medical Laboratory Technicians and Clinical Laboratory Technicians interested in pursuing a Bachelor of Science Degree in Medical Laboratory Science may now apply to the BSMLS Degree Advancement Option (DAO), College of Allied Health Professions, at the University of Nebraska Medical Center (UNMC).

Applicants must be pre-approved for enrollment by the CAHP Academic and Student Affairs office. Accepted applicants must have completed a minimum of 85 semester credits hours of specific college prerequisite courses and an accredited MLT or CLT program. Technicians must be registry-eligible or certified.

Qualified candidates are interviewed and mentored by a faculty advisor who works with you to best meet your needs as both a student and employed practitioner in choosing a plan of study that varies by the number of credit hours taken each semester. The plan of study includes completion of the Level I and Level II MLS Program's core curriculum, with access given to the orientation coursework.

You are allowed up to five years to complete the DAO; however, it is possible to complete the program in five semesters. Most clinical practicum competencies can be documented at the student's workplace or assessed as proctored, virtual, simulated activities.

Courses are available through a variety of distance learning technologies. Students are required to write papers, complete projects, conduct research, communicate with professors and students online, work independently on assignments and with coworkers on group projects, do case presentations, take quizzes and exams, etc.

The DAO is available through distance education technology and can be completed on a part-time basis by practicing laboratory professionals.

Degree Completion

Upon successful completion of BSMLS curriculum, students will receive diploma and graduation information from UNMC Student Services. Students must be awarded a minimum of 120 total semester hours of college credit (UNMC courses + transfer credit) by the UNMC Office of Academic Records in order to be eligible to graduate from UNMC.

BSMLS DAO Website (<https://www.unmc.edu/alliedhealth/academics/programs/mls/bsmls/>)

Curriculum

The plan of study includes 35 hours of theory and practical application experiences gained through recorded lectures, assignments/exercises, virtual laboratory simulations, and case studies. Coursework is completed independently or in small groups with faculty guidance. The faculty advisor will work with the student to select an appropriate schedule to complete their specific plan of study.

Code	Title	Credit Hours
Orientation Courses are available for review purposes		
MLS 407	CLINICAL LABORATORY OPERATIONS	2

MLS 408	INTRODUCTION TO CLINICAL HEMATOLOGY	2
MLS 409	INTRODUCTION TO MEDICAL MICROBIOLOGY	2
MLS 410	INTRODUCTION TO CLINICAL CHEMISTRY AND URINALYSIS	1
MLS 411	INTRODUCTION TO CLINICAL IMMUNOHEMATOLOGY	1

Code	Title	Credit Hours
Level I Courses		
MLS 413	CLINICAL ENDOCRINOLOGY AND TOXICOLOGY	1
MLS 414	CLINICAL CHEMISTRY AND URINALYSIS I	2
MLS 416	CLINICAL HEMATOLOGY I	2
MLS 418	CLINICAL MICROBIOLOGY I	2
MLS 420	CLINICAL IMMUNOLOGY, SEROLOGY AND MOLECULAR DIAGNOSTICS	2
MLS 422	CLINICAL IMMUNOHEMATOLOGY I	2
MLS 430	CLINICAL LABORATORY MANAGEMENT I	2
MLS 442	CLINICAL IMMUNOHEMATOLOGY LABORATORY PRACTICUM I	1
MLS 444	CLINICAL CORE LABORATORY PRACTICUM I	1
MLS 448	CLINICAL MICROBIOLOGY LABATORY PRACTICUM I	1
Level II Courses		
MLS 412	CLINICAL LABORATORY SCIENCE THEORY, APPLICATION AND CORRELATION	5
MLS 415	CLINICAL CHEMISTRY AND URINALYSIS II	2
MLS 417	CLINICAL HEMATOLOGY II	2
MLS 419	CLINICAL MICROBIOLOGY II	2
MLS 423	CLINICAL IMMUNOHEMATOLOGY II	2
MLS 431	CLINICAL LABORATORY MANAGEMENT II	3
MLS 443	CLINICAL IMMUNOHEMATOLOGY LABORATORY PRACTICUM II	1
MLS 445	CLINICAL CORE LABORATORY PRACTICUM II	1
MLS 449	CLINICAL MICROBIOLOGY LABORATORY PRACTICUM II	1
Total Credit Hours		35

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