

MLT to MLS ONLINE BACHELOR OF SCIENCE DEGREE

Transfer Guide for Northcentral Technical College

100% ONLINE | IN-DEMAND DEGREE | DESIGNED TO FIT A BUSY LIFESTYLE

NMU's School of Clinical Sciences provides a degree in medical laboratory science that prepares you to perform a variety of laboratory assays on human and other types of specimens in clinical, research, commercial and forensic laboratories. Graduates will be equipped with the tools to provide diagnostic data and the information necessary to support health care, ensure quality control, facilitate product development and solve problems.

TIME WITH NTC

Students must earn a Medical Laboratory Technician associate degree before enrolling in the online Medical Laboratory Science program at NMU and may transfer up to ninety (90) credit hours. Unless otherwise designated, a grade of at least a C- is required for courses to be considered for transfer to Northern.

While at NTC, students may also complete courses to meet the General Education curriculum requirements at NMU.

EXPERIENCE REQUIREMENTS

If a student does not have two years of full-time medical laboratory technician experience in blood banking, chemistry, hematology, microbiology, immunology and urinalysis/body fluids then they must agree to enroll in a full or partial clinical practicum. This practicum includes up to 20 weeks total: 4 weeks in hematology, 4 weeks in clinical chemistry, 5 weeks in microbiology, 5 weeks in blood bank (with serology), and 2 weeks at the discretion of Supervisor with Program Director approval.

TOTAL CREDITS REQUIRED FOR DEGREE		128
<i>Credits can be transferred to or completed with NMU</i>		
NMU COURSE	NMU COURSE TITLE	CREDIT HOURS
MAJOR COURSES*		38
CLS 313	Introduction to Clinical Research	1
CLS 410	Introduction to Clinical Management	1
CLS 420	Clinical Educational Practices	1
BI 104 OR BI 207	Human Anatomy and Physiology Human Anatomy and Physiology 1	4 4
BI 111	Introductory Biology: Principles	4
CH 111	General Chemistry 1	5
CH 112	General Chemistry 2	5
DATA 109	Introduction to Statistics	4
CONCENTRATION*		51
CLS 401	Hematopathology	3
CLS 402	Advanced Clinical Chemistry	2
CLS 403	Advanced Immunohematology	2
CLS 404	Advanced Clinical Microbiology I	2
CLS 436	Medical Genetics	4
OTHER REQUIRED COURSES (Track 2: Online Only)		14
CLS 412	Clinical Biochemistry	3
CLS 413	Advanced Clinical Immunology	3
CLS 414	Advanced Clinical Microbiology II	3
CLS 426	Clinical Molecular Diagnostics	3
CLS 489	ASCP Certification Exam Preparation	2
GENERAL EDUCATION		30-40
<i>Transfer course suggestions on reverse side</i>		

*excluding Advanced Placement credits

NMU GENERAL EDUCATION REQUIREMENTS

NMU COURSE	NTC COURSE	CREDIT	COMPLETED?
EFFECTIVE COMMUNICATION COMPONENT (two courses required)			
EN 111	801 136 English Composition 1	NTC credit	
EN 211	801 155 English Composition 2	NTC credit	
QUANTITATIVE REASONIING AND ANALYSIS COMPONENT (one course required)			
DATA 109	804 189 Introductory Statistics	NTC credit	
MA 111	804 195 College Algebra w/apps		
SOCIAL RESPONSIBILITY COMPONENT (one course required)			
SORC 1009	809 172 Intro to Diversity Studies	NTC credit	
LDR 300	196 169 Leading Change & Diversity		
INTEGRATIVE THINKING COMPONENT (one course required)			
INTT 1009	809 103 Thinking Critically & Creatively	NTC credit	
HUMAN EXPRESSION COMPONENT (one course required)			
HUME 1009	206 152 Film & Video: History & Tech	NTC credit	
PERSPECTIVES IN SOCIETY COMPONENT (two courses required)			
EC 101	809 195 Economics	NTC credit	
PSY 101	809 198 Intro to Psychology		
SO 101	809 196 Intro to Sociology		
SCIENTIFIC INQUIRY COMPONENT (two courses required)			
CH 105	806 134 General Chemistry	NTC credit	
CH 109	806 186 Intro to Biochemistry		

NMU GRADUATION REQUIREMENTS

REQUIREMENT	NMU COURSE (Or NTC equivalent above)
English Competency	EN 111 & EN 211
Mathematics Competency	DATA 109, MA 111, or other approved course
2.0 Overall NMU & General Education GPA	2.0+ GPA
World Cultures	Approved course (see NMU bulletin)
Laboratory Science Requirement	CH 105, CH 109, or other approved course

This transfer guide reflects current evaluation of courses from Northcentral Technical College (2022-2023 academic year). Changes occur occasionally. Final responsibility for verifying all transfer information lies with the student; a transfer guide is not intended to be a contract with NMU. Courses listed in this transfer guide represent a selection of courses at NTC that count for NMU requirements. There are other courses that can count for areas listed above. For academic advising assistance or to request an unofficial degree evaluation, contact the NMU Global Campus: (906) 227-1200 | online@nmu.edu