

LEADERS CAN START ANYWHERE... AND FINISH THEIR DEGREE AT UND

Courses are sequenced to provide guidance and to help ensure that prerequisites are met.

Catalog Year: 2022-2023

When you begin your Medical Lab Science degree at Northland Community and Technical College.

Plan of Study: Bachelor of Science in Medical Laboratory Science

Begin courses at Northland Community & Technical College		
First Year First Semester		
	ENGL 1111: Composition I	3
	MATH 1110: College Algebra	3
	BIOL 1111: Biological Principles I	4
	CHEM 1121: General Chemistry I	5
	FYEC 1111: Pathways to Success	1
Total Credits		16
First Year Second Semester		
	ENGL 1112: Composition II	3
	SPCH 1101: Introduction to Public Speaking	3
	BIOL 1112: Biological Principles II	4
	CHEM 1122: General Chemistry II	5
	ECON 2201: Microeconomics	3
Total Credits		18
Second Year First Semester		
	BIOL 2260: Anatomy & Physiology I	4
	PHIL 1101: Introduction to Philosophy	3
	BUSN 2210: Principles of Management	3
	PSYC 1105: Introduction to Psychology	3
	CHEM 2211: Organic Chemistry I	5
Total Credits		18
<p>Apply to UND by April 15</p> <ul style="list-style-type: none"> • Complete online application at UND.edu/transfer • Request transcripts to be sent to UND from NCTC. <p>Apply for scholarships at UND by March 1</p> <ul style="list-style-type: none"> • After admission submit application for campus-wide scholarships in UND's Scholarship Central 		
Second Year Second Semester		
	BIOL 2262: Anatomy & Physiology II	4
	BIOL 2221: Microbiology	3
	SOCI 1101: Introduction to Sociology	3
	MUSC 2203: World Music	3
	PHIL 1102: Intro to Ethics	3
Total Credits		16
<p>Apply to UND Medical Laboratory Science Program</p> <ul style="list-style-type: none"> • See admission requirements and apply here 		

Take next steps to begin at UND

- Begin new student checklist at [UND.edu/admitted](https://www.und.edu/admitted)
- Attend UND Transfer Student Orientation at [UND.edu/orientation](https://www.und.edu/orientation)

Professional Curriculum Year 1**Third Year | First Semester**

MLS 101: Orientation to Medical Laboratory Sciences	2
COMM 212: Interpersonal Communication	3
MLS 301: Immunology	3
MLS 325/L: Hematology/Laboratory	5
MLS 336: Laboratory Calculations	1
Diversity of Human Experience (D)	3
Total Credits	17

Third Year | Second Semester

MLS 340/L: Molecular Diagnostics/Laboratory	3
MLS 380: Professional Issues in Clinical Laboratory Science	1
MLS 394: Medical Microbiology	2
BMB 301: Biochemistry	3
MLS 234/L: Human Parasitology/Laboratory	3
Analyzing Worldviews (W)	3
Total Credits	15

Professional Curriculum Year 2**Fourth Year | Summer Semester**

MLS 471: Clinical Chemistry I	2
MLS 472: Pre-analytical Skills	1
MLS 473: Clinical Hemostasis I	2
MLS 474: Clinical Urinalysis I	2
MLS 477/L: Clinical Immunohematology I/Lab	2
MLS 478: Clinical Microbiology I	2
MLS 479: Clinical Hematology I	2
Total Credits	13

Fourth Year | First Semester

MLS 480: Clinical Immunohematology II	2
MLS 481: Clinical Chemistry II	2
MLS 483: Clinical Hemostasis II	1
MLS 484: Clinical Microbiology II	2
MLS 485: Clinical Urinalysis II	1
MLS 487: Medical Mycology	1
MLS 488: Clinical Hematology II	2
MLS 489: Clinical Body Fluids	1
Total Credits	12

Apply to graduate from UND

- After registering for your last semester of courses, apply at [UND.edu/commencement](https://www.und.edu/commencement)

Fourth Year | Second Semester

MLS 490: Financial & Quality Management of the Clinical Laboratory	3
MLS 491: Clinical Chemistry III	2
MLS 492: Clinical Immunohematology II	2

MLS 494: Clinical Immunology	1
MLS 495: Clinical Microbiology III	2
MLS 498: Clinical Hematology III	2
Total Credits	12
TOTAL CREDITS TO GRADUATE	135

This information is provided as guide only. Students are strongly encouraged to meet with their major specific UND advisor.

An official evaluation of transfer credit will be done upon admission to the university. Transfer credits will be evaluated and applied according to the current catalog and the approved Essential Studies list at the first semester of enrollment at UND.

Transfer credit for courses other than those listed above will be evaluated on a course-by-course basis.

Students are required to fulfill UND graduation and GPA requirements to receive a degree and should consult with their UND advisor and the undergraduate catalog for details.