



FINISH IN 4 AT UND

When you begin your Medical Laboratory Science degree at Northland Community & Technical College

Plan of Study: Bachelor of Science in Medical Laboratory Science

Begin courses at NCTC		
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 2252: Anatomy & Physiology I		3
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		17
<p>Apply to UND</p> <ul style="list-style-type: none"> • Complete online application at UND.edu/transfer • Request NCTC transcripts to be sent to UND at northlandcollege.edu/students (link at bottom of page) <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 2254: Anatomy & Physiology II		3
BIOL 2221: Microbiology		3
SOCI 1101: Introduction to Sociology		3
MUSC 2203: World Music		3
PHIL 1102: Intro to Ethics		3
Total Credits		15



Apply to UND Medical Laboratory Science Program

- See admission requirements and apply [here](#)

Take next steps to begin at UND

- Begin new student checklist at UND.edu/admitted
- Attend UND Transfer Student Orientation at UND.edu/orientation
- Send final transcript with posted associate's degree from NCTC to UND

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

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