

# Transfer Guide

## University of North Dakota and Lake Superior College

Duluth, MN

**Degree: Bachelor of Science in Clinical  
Laboratory Science**

**Major: MEDICAL LABORATORY SCI**

The following information was updated according to the 2019-2020 UND CATALOG - Students satisfactorily completing the courses below may transfer them to UND in fulfillment of the corresponding course requirements for this degree. Essential Studies equivalencies, courses, and major requirements may change. 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.

Students planning to transfer to UND are encouraged to have phone or email contact with a UND adviser. Students may call the Advising Office at 1-800-CALL-UND ext. 2634 or (701) 777-2634.

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++Course credits may have a substitution for MLT program. Substitution will be indicated upon transfer to UND; program approval required.

Students must complete all Lake Superior College MLT program requirements in order to meet program specific (MLS prefix) course transfer credit equivalencies.

Students are encouraged to consult with advisors at Lake Superior as well as UND to ensure consistent planning for degree completion.

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LSC		Course/Credits/Title	UND		Course/Credits/Title
<b><u>I. Communication - COM</u></b>					
COMM 1110	3	Methods of Public Speaking	COMM 110	3	Fundamentals of Public Speaking
ENGL 1109	3	College Composition II	ENGL 130	3	Comp II: Writing for Public Audiences
ENGL1106	3	College Composition I	ENGL 110	3	College Composition I
<b><u>II. Social Science - SS</u></b>					
Elective Credit	3	Social Science Elective Credit*	Elective Credit	3	Social Science Elective Credit
PSYC 1120	3	General Psychology	PSYC 111	3	Introduction to Psychology
SOC 1111	3	Introduction to Sociology	SOC 110	3	Introduction to Sociology
<b><u>III. Arts and Humanities - FA/HUM</u></b>					
Elective Credit	9*	Credit from at least two depts.	Elective Credit	9*	Credit from at least two depts.
*Must include 3 credits designated as Fine Arts and 3 credits designated as Humanities.					
<b><u>IV. Mathematics, Science &amp; Technology - MST</u></b>					
No Equivalent		Must be taken at UND	BIOL 151/L	3/1	General Biology II/Lab
No Equivalent		Must be taken at UND	BIOL 150/L	3/1	General Biology I/Lab
CHEM 1210	5	General Chemistry I	CHEM 121/L	3/1	General Chemistry I/Lab
CHEM 1211	5	General Chemistry II	CHEM 122/L	3/1	General Chemistry II/Lab
MATH 1100	4	College Algebra	MATH 103	3	College Algebra
<b><u>Other Program Requirements</u></b>					
MLTN 1422 (++)	3	Medical Microbiology	MBIO 202	3	Intro to Medical Microbiology
			MLS 394	2	Medical Microbiology
			CHEM 340/L	4/1	Survey of Organic Chemistry/Lab
			MLS 325	3	Hematology
MLTN 1420	3	Hematology	MLS 325L	2	Hematology Lab
			BMB 301	3	Biochemistry
COMM 1105	3	Interpersonal Communications	COMM 212	3	Interpersonal Communication
			MLS 301	3	Immunology
MLTN 2500	1	Medical Lab Technician Seminar	MLS 380	1	Professional Issues in CLS
			MLS 490	3	Fin. & Quality Mgmt of the Clinical Lab
			MLS 471	2	Clinical Chemistry I
			MLS 478	2	Clinical Microbiology I
MLTN 2505	11	Medical Lab Tech Clinical Practicum	MLS 491	2	Clinical Chemistry III

MLTN 1420	3	Hematology	MLS 492	2	Clinical Immunohematology III
			MLS 473	2	Clinical Hemostasis
			MLS 487	1	Medical Mycology
MLTN 2422	2	Special Microbiology	MLS 477/L	1/1	Clinical Immunohematology I/Lab
			MLS 234	2	Human Parasitology
			MLS 234L	1	Human Parasitology Lab
			MGMT 300	3	Principles of Management
			MLS 336	1	Laboratory Calculations
MLTN 1152 or 1574	3	Phlebotomy of Health Prof or Collection Skill	MLS 480	2	Clinical Immunohematology II
			MLS 479	2	Clinical Hematology I
			MLS 474	2	Clinical Urinalysis I
			MLS 472	1	Pre-Analytical Skills
			MLS 340	2	Molecular Diagnostics
MLTN 1430	1	Molecular Diagnostics	MLS 340L	1	Molecular Diagnostics Lab
MLTN 1400	4	Intro to Medical Lab Techniques & Instrum	MLS 101	2	Orientation to MLS
MLTN 2420	3	Special Hematology	MLS 483	1	Clinical Hemostasis II
	6	Clinical Practicum II	MLS 484	2	Clinical Microbiology II
MLTN 2428	3	Special Clinical Chemistry	MLS 481	2	Clinical Chemistry II
MLTN 2420	3	Special Hematology	MLS 488	2	Clinical Hematology II
			MLS 489	1	Clinical Body Fluids
			MLS 494	1	Clinical Immunology
MLTN 1410	3	Immunology and Serology	MLS 498	2	Clinical Hematology III
MLTN 2505	11	Medical Lab Tech Clinical Practicum	MLS 495	2	Clinical Microbiology III
			ANAT 204	3	Anatomy for Paramedical Personnel
			PPT 301	4	Human Physiology
BIOL 1140 (++)	4	Human Anatomy & Physiology I			
BIOL 1141 (++)	4	Human Anatomy & Physiology II			

A complete list of approved Essential Studies courses can be found online at: [Essential Studies Approved Courses](#).

Additional classes will be required to earn the above degree; a minimum of 120 credits is required to graduate from UND. A complete listing of program requirements can be found in the [Academic Catalog](#) and [Four Year Plans](#).

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