

Transfer Guide

University of North Dakota and Rochester Community & Technical College

Rochester, MN

Degree: Bachelor of 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.

*Indicates a course which must be taken at UND. ++Program approval required.

**Both Biol 1217 and BIOL1218 must be successfully completed in order to take the place of UND's ANAT 204/204L and PPT 301.

+++ Course credits may have a substitution from AS program. Substitution will be indicated upon transfer to UND.

RCTC	Course/Credits/Title	UND	Course/Credits/Title
<u>I. Communication - COM</u>			
ENGL 1117 or	4 Reading & Writing Critically I	ENGL 110	3 College Composition I
ENGL 1917	4 Reading & Writing Critically I: Honors	ENGL 110	3 College Composition I
ENGL 1109 or	3 Technical Report Writing or	ENGL 130 or	3 Comp II: Writing for Public Audiences or
ENGL 1118	3 Reading and Writing Critically II	ENGL 130	3 Comp II: Writing for Public Audiences
SPCH 1114	3 Fundamentals of Public Speaking	COMM 110	3 Fundamentals of Public Speaking
<u>II. Social Science - SS</u>			
Elective Credit	3 Elective Credit	Elective Credit	3 Elective Credit
PSYC 2618	4 General Psychology	PSYC 111	3 Introduction to Psychology
SOC 1614 or	3 Introduction to Sociology	SOC 110 or	3 Introduction to Sociology
SOC 1914	3 Introduction to Sociology: Honors	SOC 110	3 Introduction to Sociology
<u>III. Arts and Humanities - FA/HUM</u>			
Elective Credit	6* Credit from at least two depts.	Elective Credit*	6* Credit from at least two depts.
PHIL 1135	3 Bioethics	Elective Credit	3 PHIL-HUM Philosophy Elective
*Must include 3 credits designated as Fine Arts and 3 credits designated as Humanities.			
<u>IV. Mathematics, Science & Technology - MST</u>			
BIOL 1220	4 Concepts of Biology	BIOL 150/L	3/1 General Biology I/Lab
BIOL 1230 or	4 Survey of Life Forms	BIOL 151/L	3/1 General Biology II/Lab
BIOL 2020+++	4 Fundamentals of Biotechnology		General Biology II - Course substitution
CHEM 1127	4 Chemical Principles I	CHEM 121/L	3/1 General Chemistry I/Lab
CHEM 1128	4 Chemistry Principles II	CHEM 122/L	3/1 General Chemistry II/Lab
MATH 1115	3 College Algebra	MATH 103	3 College Algebra
<u>Other Program Requirements</u>			
BIOL 1217**	4 Anatomy & Physiology I	ANAT 204/L	3/2 Anatomy for Paramedical Personnel/Lab
BIOL 1218**	4 Anatomy & Physiology II	PPT 301	4 Human Physiology
BIOL 2021	4 General Microbiology	MBIO 202	3 Intro to Medical Microbiology
CHEM 2100	4 Survey of Organic Chemistry (++)	CHEM 340/L	4/1 Survey of Organic Chemistry/Lab
		MLS 473*	2 Clinical Hemostasis

			MLS 471*	2	Clinical Chemistry I
			MLS 490*	3	Fin. & Quality Mgmt of the Clinical Lab
			MLS 478*	2	Clinical Microbiology I
			MLS 491*	2	Clinical Chemistry III
			MLS 380+++	1	Professional Issues in CLS
			MLS 495	2	Clinical Microbiology III
			MLS 487*	1	Clinical Mycology
			MLS 477*/L*	1/2	Clinical Immunohematology I/Lab
BUS 2232	3	Principles of Management	MGMT 300	3	Principles of Management (course substit
			MLS 489*	1	Clinical Body Fluids
			MLS 498*	2	Clinical Hematology III
			MLS 325*/L+++	3/2	Hematology/Lab
			MLS 234*/L+++	2/1	Human Parasitology/Lab
			MLS 492	2	Clinical Immunohematology III
			MLS 474*	1	Clinical Urinalysis I
BIOL 2020	4	Introduction to Molecular Biology Methods	MLS 340/L	2/1	Molecular Diagnostics/Lab
			MLS 301*	3	Immunology
CHEM 1118 or	4	General Organic & Biological Chemistry or	BMB 301+++	3	Biochemistry
CHEM 2800	3	Biochemistry	BMB 301+++	3	Biochemistry
COMM 1130	3	Interpersonal Communications	COMM 212	3	Interpersonal Communication
			MLS 472+++	1	Pre-Analytical Skills
HCCC 1200	2	Intro to Research/Clinical Laboratory	MLS 101+++	2	Orientation to MLS
			MLS 336+++	1	Laboratory Calculations
			MLS 394	2	Medical Microbiology
			MLS 480+++	2	Clinical Immunohematology II
			MLS 481+++	3	Clinical Chemistry II
			MLS 483+++	1	Clinical Hemostasis II
			MLS 484+++	2	Clinical Microbiology II
			MLS 488+++	2	Clinical Hematology II
			MLS 485+++	1	Clinical Urinalysis II
			MLS 494+++	1	Clinical Immunology

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.