

**MINNESOTA STATE COLLEGES AND
UNIVERSITIES*
ARTICULATION AGREEMENT
BETWEEN**

**Rochester Community and Technical College
AND
University of North Dakota**

*The Board of Trustees of the Minnesota State Colleges and Universities is authorized by Minnesota Statutes, Chapter 136F to enter into Agreements and has delegated this authority to colleges and universities.

This Agreement is entered into between Rochester Community and Technical College, 851 30th Avenue SE, Rochester, MN 55904 (hereinafter sending institution), and University of North Dakota, 264 Centennial Drive Stop 8382, Grand Forks, ND 58202-8382 (hereinafter receiving institution). This Agreement and any amendments and supplements, shall be interpreted pursuant to the laws of the State of Minnesota.

The sending institution has established an **Associate of Science degree in Laboratory Science** (hereinafter sending program), and the receiving institution has established a **Bachelor of Science in Medical Laboratory Science** (hereinafter receiving program), and will facilitate credit transfer and provide a smooth transition from one related program to another. It is mutually agreed:

Admission and Graduation Requirements

- A. The receiving institution's admission and program admission requirements apply to both direct entry students and to students who transfer under this agreement.
- B. Students must fulfill the graduation requirements at both institutions.
- C. Students must complete the entire sending program and meet the receiving institution's admission requirements for the agreement to apply, including grade requirements for courses and an overall GPA requirement.

Transfer of Credits

- A. The receiving institution will accept 60 credits from the sending program. A total of 66 credits remain to complete the receiving program.
- B. Courses will transfer as described in the attached Program Articulation Table. For system institutions, once the courses are encoded, they will transfer as described in the "Transferology" audit.

Implementation and Review

- A. The Chief Academic Officers or designees of the parties to this agreement will implement the terms of this agreement, including identifying and incorporating any changes into subsequent agreements, assuring compliance with system policy, procedure and guidelines, and conducting a periodic review of this agreement.
- B. This Articulation Agreement is effective on 07/01/2020 and shall remain in effect until the end date of 6/30/2025 or for five years, whichever occurs first, unless terminated or amended by either party with 90 days prior written notice.
- C. The college and university shall work with students to resolve the transfer of courses should changes to either program occur while the agreement is in effect.
- D. This Articulation Agreement will be reviewed by both parties beginning 1/31/2025 (within six months of the end date).
- E. When a student notifies the receiving institution of their intent to follow this agreement, the receiving institution will encode course waivers and substitutions.

May 6, 2020

PROGRAM ARTICULATION TABLE

Check if the sending program ___ or receiving program ___ is new.

	College (sending)	University (receiving)
Institution	Rochester Community and Technical College	University of North Dakota
Program name	Laboratory Science	Medical Laboratory Science
Award Type (e.g., AS)	AS	BS
Credit Length	60	126
CIP code (6-digit)	51.1005	
Describe program admission requirements (if any)	Open enrollment	

Instructions

- List all required courses in both academic programs.
- MnTC goal areas transfer to the receiving institution according to the goal areas designated by the sending institution.
- Do not indicate a goal area for general education courses that are not part of the MnTC.
- For restricted or unrestricted electives, list number of credits.
- Credits applied: the receiving institution course credit amount may be more or less than the sending institution credit amount. Enter the number of credits that the receiving institution will apply toward degree completion.
- Show equivalent university-college courses on the same row to ensure accurate DARS encoding.
- Equiv/Sub/Wav column: If a course is to be encoded as equivalent, enter Equiv. If a course is to be accepted by the university as a "substitution" only for the purposes of this agreement, enter Sub. If a course requirement is waived by the receiving institution, enter Wav. If a course is to be accepted by the university as a MnTC goal area, restricted elective or unrestricted elective, leave the cell blank.

(To add rows, place cursor outside of the end of a row and press enter.)

SECTION A - Minnesota Transfer Curriculum-General Education

College (sending)			University (receiving)			
course prefix, number and name	Goal(s) 1	Credits	course prefix, number and name	Goal(s) ¹	Credits Applied	Equiv Sub Wav
Minnesota Transfer Curriculum-General Education						
ENGL 1117 Reading and Writing Critically I	1	4	ENGL 110 College Composition I (3)		4	
ENGL 1109 Introduction to Professional and Technical Writing OR ENGL 1118 Reading and Writing Critically II	1	3	ENGL 130 Comp II; Writ for Pub Audiences		3	
COMM 1114 Fundamentals of Public Speaking	1	3	COMM 110 Fundamentals of Public Speaking		3	
PSYC 2618 General Psychology	5	4	PHYS 111 Introduction of Psychology (3)		4	
SOC 1614 Introduction to Sociology	5	3	SOC 110 Introduction to Sociology		3	
PHIL 1135 Bioethics	6	3	PHIL-HUM Elective Credit		3	
MATH 1115 College Algebra	4	3	MATH 103 College Algebra		3	
BIOL 1220 General Biology I	3	4	BIOL 150/L General Biology I/Lab		3/1	
CHEM 1127 Chemical Principles I	3	4	CHEM 121/L General Chemistry I/Lab		3/1	
MnTC/General Education Total		31				

¹ MnTC goal areas transfer to the receiving MnSCU college/university according to the goal areas designated by the sending college/university

Special Notes, if any:

SECTION B - Major, Emphasis, Restricted and Unrestricted Electives or Other

(pre-requisite courses, required core courses, required courses in an emphasis, or electives (restricted or general) within the major). Restricted electives (in Major) fulfill a specific requirement within a major. Example A: "Chose two of the following three courses;" Example B: A Biology degree may require 40 science credits (20 credits of required courses + 20 credits of listed related courses, such as botany, genetics, sociobiology, etc. which students can select).

Major, Emphasis, Restricted, Unrestricted Electives or Other Courses			
BIOL 1217 Anatomy and Physiology I	4	BIMD 220/L Human Anatomy & Physiology I (3/1)	4
BIOL 1218 Anatomy and Physiology II	4	BIMD 221/L Human Anatomy & Physiology II (3/1)	4
BIOL 2021 Microbiology	4	BIMD 202 Intro to Medical Microbiology (3)	4
CHEM 2800 Biochemistry OR CHEM 1118 General, Organic and Biological Chemistry II	3-4	BIMD 301+++Biochemistry	3
CHEM 2100 Survey of Organic Chemistry	4	CHEM 340/L Survey of Organic Chemistry/Lab (4/1)	4
BIOL 1200 Introduction to the Clinical/Research Laboratory	2	MLS 101+++ Orientation to MLS	2
BIOL 1230 General Biology II OR BIOL 2020 Fundamentals of Biotechnology	4	BIOL 151/L General Biology II/Lab	3/1
CHEM 1128 Chemical Principles II	4	CHEM 122/L General Chemistry II/Lab	3/1
Restricted elective credits - list courses (if none enter 0)	0		
Unrestricted elective credits (if none enter 0)	0	College's unrestricted elective credits accepted in transfer (if none enter 0)	
Major, Emphasis, Unrestricted Electives Total	29-30	Total College Credits Applied (sum of sections A and B)	60


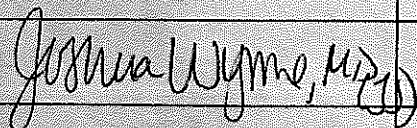
SECTION C - Remaining University (receiving) Requirements

course prefix, number and name	Credits
MLS 485+++ Clinical Urinalysis II	1
MLS 484+++ Clinical Microbiology II	2
MLS 481+++ Clinical Chemistry II	2
MLS 491+ Clinical Chemistry III	2
MLS 479* Clinical Hematology I	2
MLS 489* Clinical Body Fluids	1
MLS 494+++ Clinical Immunology	1
MLS 498* Clinical Hematology III	2
MLS 488+++ Clinical Hematology II	2
MLS 477*/L* Clinical Immunohematology I/Lab	1/1
MLS 234*/L+++ Human Parasitology/Lab	2/1
MLS 495 Clinical Microbiology III	2
MGMT 300 Principles of Management	3
MLS 483+++ Clinical Hemostasis II	1
MLS 492 Clinical Immunohematology III	2
MLS 340*/340L+++ Molecular Diagnostics/Lab	2/1
MLS 301* Immunology	3
MLS 473* Clinical Hemostasis I	2
MLS 478* Clinical Microbiology I	2
COMM 212+++ Interpersonal Communications	3
MLS 380+++ Professional Issues in CLS	1
MLS 480+++ Clinical Immunohematology II	2
MLS 472+++ Pre-Analytical Skills	1
MLS 471* Clinical Chemistry I	2
MLS 474* Clinical Urinalysis I	2
MLS 490* Fin & Quality Mgmt of the Clinical Lab	3
MLS 325*/L+++ Hematology/Lab	3/2
MLS 336+++Laboratory Calculations	1
MLS 394 Medical Microbiology	2
MLS 487* Medical Mycology	1
University unrestricted elective credits not counted elsewhere (if none enter 0)	5

	Total Remaining University Credits²	66
Special Notes, if any: *Indicates a course which must be taken at UND. ++Program approval required. **Both Biol 1217 and BIOL 1218 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.		

SECTION D - Summary of Total Program Credits			
College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	31		
Major, Emphasis, Unrestricted Electives or Other	29-30		
Total College Credits	60-61	Total College Credits Applied	60
		Remaining credit to be taken at the university (receiving institution)	66
		Total Program Credits	126
Special Notes, if any:			

² At least 40 of the required credits for the baccalaureate degree shall be at the upper-division level. If a lower division course is shown as equivalent to an upper division course, check with the university to determine if it will count toward the 40 required credits of upper division.

College	Name	Signature	Date
Chief Academic Officer			
Vice President, AA	Michelle Pyfferoen, MBA		06/18/2020
Title			
University	Name	Signature	Date
Chief Academic Officer			
V.P. for Health Affairs	Joshua Wynne, M.D.		8-12-2020
DARS Encoder			
Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution.			

May 6, 2020